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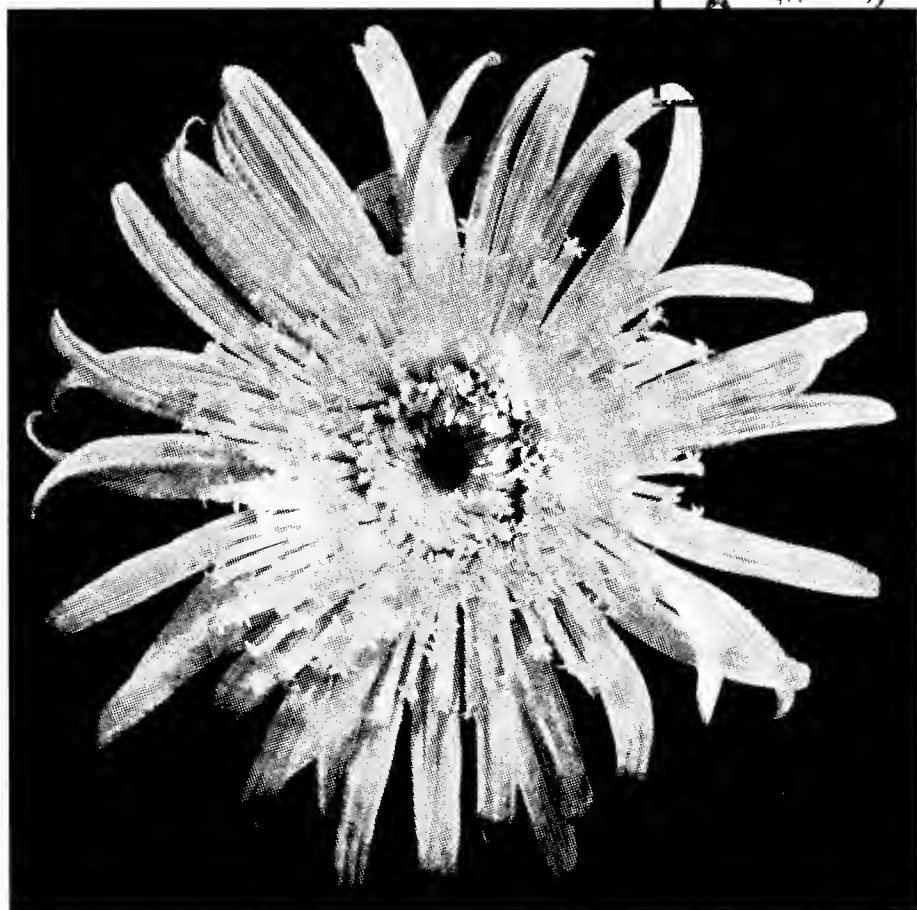
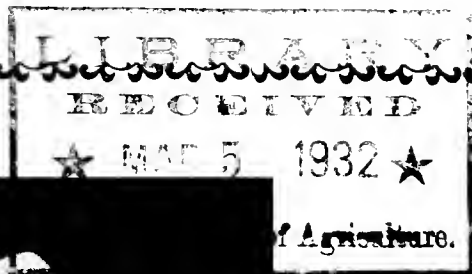
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6211

# Simpson's Garden & Farm Book

Spring, 1932



One Half Actual Size

## Aster—Giant California Sunshine Mixed

This wonderful new ASTER is startlingly beautiful. A two-tone effect is obtained through the contrasting tints of the disc-like center and the outer or guard petals. The full centers of tubular bifurcate petals surrounds the center, creating an airy, lace-like effect. In color, the flowers may be described as varying shades of Enchantress-pink, Appleblossom, Deep-rose, Blue and Lavender, but the disc, sometimes light yellow, sometimes blue, brings additional variety in tint. We consider this NEW ASTER the outstanding introduction of the past year.

Supply is limited. Order early. Generous packet, 25c;  $\frac{1}{8}$  oz., \$1.00;  $\frac{1}{4}$  oz., \$1.50; 1 oz., \$4.50.

# Simpson Seed & Floral Co.

1551 Champa Street

Phone MAin 2778

Denver, Colorado

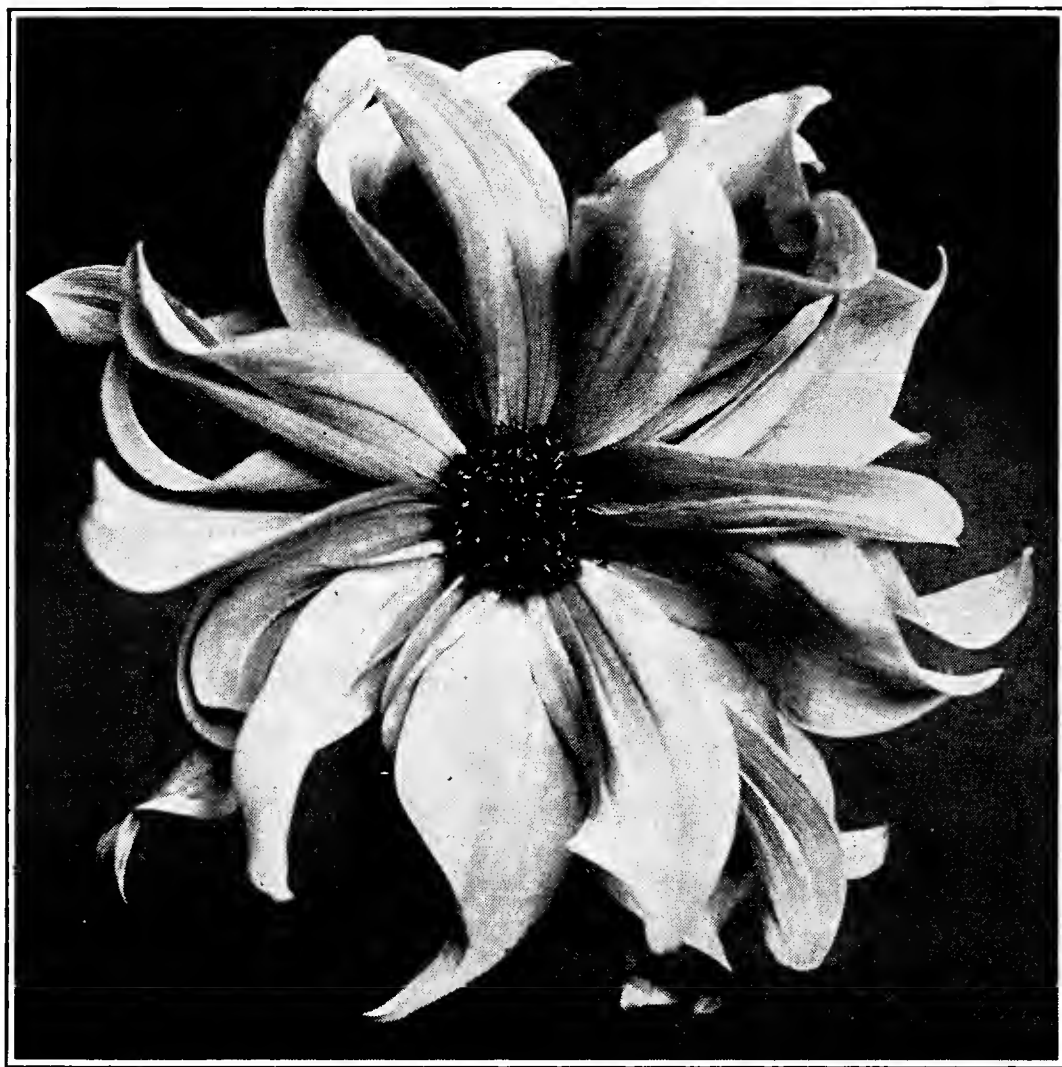
Vegetable Seed Trials

FEB 29 1932

# NEW DAHLIAS OF SPECIAL MERIT

Figures following type indicate height.

Prices quoted are POSTPAID. For other choice DAHLIAS see page 23



**Peony-Flowered Dahlia**

**Amun Ra.** (Decorative 4). A mammoth decorative Dahlia borne on stout stems of good length. The flowers are gorgeous. In color a combination of copper, orange and golden bronze. Highly recommended. **50c each.**

**Andy Gump (W).** (Decorative 5). Flowers above medium size, stems exceptionally long, 18 to 24 inches, rigid and erect. Color bright red. As a cutting variety this one has no superior. A fine variety. **50c each.**

**Chipeta.** (Cactus 4). A mammoth flower borne on very long stems. A most pleasing amaranth red. **50c each.**

**Emma Slocum (4).** Pure white flower on extra long stems. Flowers extra large. One of the showiest of the white decorative varieties. **50c each.**

**Jersey Mammoth.** (Hybrid Cactus 5). One of the largest Dahlias grown; 11 to 12-inch specimens are not unusual. Massive dark green foliage. Stems medium but stout, showing the flower above the foliage. Color, dark old rose. Ideal for those who admire the extra sized Dahlias. **\$1.00 each.**

**Millionaire.** (Decorative 3.) An immense Dahlia and among the most popular of all the extra large Dahlias. Color a clear, rich orchid, shading to almost white in the center. **50c each.**

**Pride of Fort Morgan** (Decorative 4.) **The** largest and best red Dahlia ever introduced; 9 1/4 to 12 inches in diameter. **The** plant is a sturdy grower, with good stem, holding flower erect. Color almost intense red. **75c each.**

**Mrs. Carl Salbach.** (Decorative 5.) Extra large and of beautiful form and always full to the center. Color, soft lavender. One of the best recent introductions. **50c each.**

**Oregon.** (Cactus 5.) An American Beauty red, with long stems and large flowers. **50c each.**

**Radio.** (Decorative 4.) Without a doubt one of the greatest Dahlias ever originated. Can be grown 11 to 12 inches in diameter. Color, blood red, edged and tipped with yellow. **\$1.00 each.**

**Rollo Boy.** (Cactus 4.) An enormous amber and yellow cactus. One of the best new varieties. **75c each.**

**Washington City.** (Hybrid Cactus.) An immense white flower that has few, if any, equals. Flowers from 8 to 9 inches and of purest white. Stems long and erect. One of the best of varieties. **50c each.**

**William G.** (Decorative 3.) A mammoth flower of shaggy form borne on stems long and strong enough to hold the flowers erect. Color, light or scarlet red and truly enormous. **\$1.00 each.**

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# ANNUAL FLOWER SEEDS

Many of our most beautiful flowers will be found in this list of Annuals. For PERENNIAL flower seeds see page 6.

We also list started plants of many PERENNIAL flower plants, pages 19 and 20.

## ACROCLINIUM (Everlastings)

Graceful, daisy-like flowers. Can be cut when in bud and used for winter bouquets. Pkt. 10c; ¼ oz. 20c.

## AGERATUM

Light blue, low and compact. Pkt. 10c; ¼ oz. 25c.

## ALYSSUM, SWEET

Little Gem. Low and compact, pure white. Pkt. 10c; ¼ oz. 20c.

Maritimum. Honey scented, white. Pkt. 10c; ½ oz. 15c.

## AMARANTHUS

Caudatus. Drooping red spikes. Pkt. 10c; ¼ oz. 15c.

Mixed. Many varieties. Pkt. 10c; ¼ oz. 20c.

## ANTIRRHINUM (Snapdragon)

Tall, large flowered variety.

Coral Rose. Shell pink.

Golden King. Giant yellow.

Othello. Dark maroon.

Queen Victoria. White.

Scarlet Defiance. Rich red.

Good Mixture. All colors.

Any of the above: Pkt. 10c; ¼ oz. 25c.

## ASTERS

Giant Branching (Improved Crego). Large, fully double blooms on long stems. We have five colors: White, rose-pink, crimson, lavender, purple. Pkt. 10c; ¼ oz. 35c; 1 oz. \$1.00.

Mixed. All colors. Pkt. 10c; ¼ oz. 25c; 1 oz. 75c.

Sunshine Aster. A new introduction. Anemone flowered, mixed colors. Pkt. 25c.

## BACHELOR'S BUTTON—See Centaurea

## BALSAM (Lady's Slipper)

Double Flowering. Mixed. Pkt. 10c; ¼ oz. 25c; 1 oz. 60c.

Balsam Apple. Pkt. 10c; ¼ oz. 25c.

## BEANS (Scarlet Runner)

Red Climbing Bean. Pkt. 5c; ¼ lb. 25c; 1 lb. 45c.

## CALENDULA (Pot Marigold)

The new varieties are much improved over the old.

Lemon Queen. Pure yellow. Pkt. 10c; ¼ oz. 15c.

Orange King. Clear, glowing orange. Pkt. 10c; ¼ oz. 15c.

Double Mixed. Shades of orange, bronze and yellow. Pkt. 10c; ½ oz. 15c; 1 oz. 25c.

## CANARY BIRD VINE

Rapid climber. Mixed colors. Pkt. 10c; ¼ oz. 15c.

## CALIFORNIA POPPY (Eschscholtzia)

True California. Orange. Pkt. 10c; ½ oz. 20c; 1 oz. 35c.

Crimson. Pkt. 10c; ¼ oz. 25c.

Mixed. Pkt. 5c; 1 oz. 25c; 1 lb. 75c.

## CALLIOPSIS

Mixed. Pkt. 10c; ¼ oz. 15c; 1 oz. 40c.

## CANDYTUFT

Separate colors: White, lavender or crimson. Pkt. 10c; ¼ oz. 20c.

Mixed. Pkt. 10c; ½ oz. 15c; 1 oz. 25c.

## CANNA

Mixed Hybrids. Pkt. 10c; ¼ oz. 15c.

For Canna Bulbs see page 23.

## CARDINAL CLIMBER

Rapid climber with red flowers. Pkt. 15c.

## CASTOR OIL BEANS

Red Stem. With green leaves, 6 to 8 feet. Pkt. 10c; 1 oz. 20c.

Giant Zanzibariensis. 8 to 10 feet. Pkt. 10c; 1 oz. 25c.

## CELOSIA (Coxcomb)

Chrysanthemiflora. Round, compact heads in many colors. Pkt. 10c.

Cristata or Crested. Tall. Pkt. 10c; ¼ oz. 25c.

Plumosa. Plumed. Pkt. 10c; ¼ oz. 25c.



Calendula (Pot Marigold)

## CENTAUREA

Cyanus (Bachelor's Button). Pkt. 10c; ¼ oz. 15c; 1 oz. 40c.

Cornflower. Double blue. Pkt. 10c; ¼ oz. 20c; 1 oz. 60c.

Imperialis (Sweet Sultan). Pkt. 10c; ¼ oz. 35c.

## CHINESE LANTERN

Physalis. Lantern-shaped pods. Pkt. 10c.

## CHRYSANTHEMUM

Mixed colors. Pkt. 10c; ¼ oz. 15c.

## CLARKIA

Elegans. Mixed. Pkt. 10c; ¼ oz. 20c.

## COBOEA SCANDENS

Climber, with purple flowers. Pkt. 10c; ¼ oz. 25c.

## COXCOMB—See Celosia

## COSMOS

Early Flowering. White, pink or crimson. Pkt. 10c; ¼ oz. 20c; 1 oz. 60c. Mixed. Pkt. 10c; ½ oz. 25c; 1 oz. 45c.

Double Crested. New variety. Mixed. Pkt. 10c; ¼ oz. 50c.

## CYPRESS VINE

Popular climber. Pkt. 10c; ¼ oz. 20c; 1 oz. 60c.

DAHLIA—For bulbs see page 23.

Mixed Seed. Pkt. 10c; ¼ oz. 50c.

## DAISY

African Daisy. Brown eye. Pkt. 10c; ¼ oz. 35c.

English Daisy. See page 19.

Painted Daisy. See page 20.

Marguerite. Large white. Pkt. 10c; ¼ oz. 20c.

## EVERLASTINGS

All kinds, mixed. Pkt. 10c; ¼ oz. 25c.

## FOUR O'CLOCK

All colors mixed. Pkt. 10c; oz. 25c.

## GERANIUMS

Single and Double. Mixed. Pkt. 10c; ¼ oz. 50c.



**GLOBE AMARANTH** (Everlastings). Mixed. Pkt. 10c.

**GODETIA**

Excellent for shady places. Very attractive. Mixed. Pkt. 10c; ¼ oz. 20c.

**GOURDS**

Dipper, Nest Egg, Hercules Club, Dishcloth, Calabash and Mixed. Pkt. 10c; 1 oz. 25c.

**GYSOPHILA**

Elegans. Annual, used in bouquets. Pkt. 10c; ¼ oz. 15c; 1 oz. 30c.

**HELICHRYSUM** (Strawflowers)

All colors mixed. Pkt. 10c; ¼ oz. 15c; 1 oz. 50c.

**HELIOTROPE**

Very fragrant. Pkt. 10c; ½ oz. 45c.

**HYACINTH BEAN**

Rapid growing climber. Pkt. 10c; 1 oz. 20c.

**LARKSPUR**

Annual. Double, mixed. Pkt. 10c; ¼ oz. 20c.

**LINUM**

Scarlet Flax. Many brilliant colors. Pkt. 10c; ¼ oz. 15c.

**LOBELIA**

Crystal Palace. Dwarf blue. Pkt. 10c; ½ oz. 50c.

Gracilis. Trailing, for hanging baskets, etc. Pkt. 10c; ½ oz. 40c.

**LUPINS**

Mixed annuals. Pkt. 10c; 1 oz. 25c.

**MARIGOLD**

African. Tall, double. Pkt. 10c; ¼ oz. 20c.

French. Dwarf, double. Pkt. 10c; ¼ oz. 20c.

**MIGNONETTE** (Musk Plant)

Machet. Fragrant. Pkt. 10c; ¼ oz. 20c.

**MOON FLOWER**

Beautiful white climber. Pkt. 10c; ¼ oz. 20c; 1 oz. 50c.

**MORNINGGLORY**

Tall. Regular. Mixed colors. Pkt. 10c; 1 oz. 15c; 1 lb. \$1.25.

Japanese. Large fringed blooms. Pkt. 10c; ½ oz. 25c; 1 oz. 40c.

Heavenly Blue. Large, sky-blue. Pkt. 10c; ¼ oz. 35c; 1 oz. \$1.00.

Clark's Mammoth Blue. The finest of all. Enormous sky-blue flowers placed at regular intervals along the vine. Pkt. 15c; 1 oz. \$1.50.

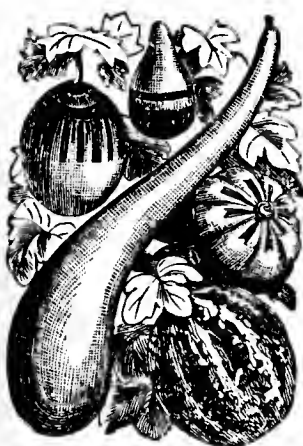
**NASTURTIUM**

Dwarf Mixed. Large pkt. 10c; 1 oz. 15c; ½ lb. 60c.

Tall Mixed. Large pkt. 10c; 1 oz. 15c; ½ lb. 60c.

**NICOTIANA**

Nicotine Plant. Mixed. Pkt. 10c; ¼ oz. 25c.



Gourds

**ICE PLANT**

Trailing plant suitable for hanging baskets, walls, etc. Pkt. 10c; ¼ oz. 20c.

**JAPANESE HOP VINE**

Fine for covering walls, rock gardens, etc. Pkt. 10c; ¼ oz. 20c.

**JOB'S TEARS**

Broad, corn-like leaves, ornamental. Pkt. 10c.

**KOCHIA**

Summer Cypress (Mexican Fire Bush). Fine for ornamentation. Pkt. 10c; ½ oz. 15c; 1 oz. 25c.

**KUDZU VINE**

True Japanese. Pkt. 10c; 1 oz. 40c.

**LACE FLOWER**

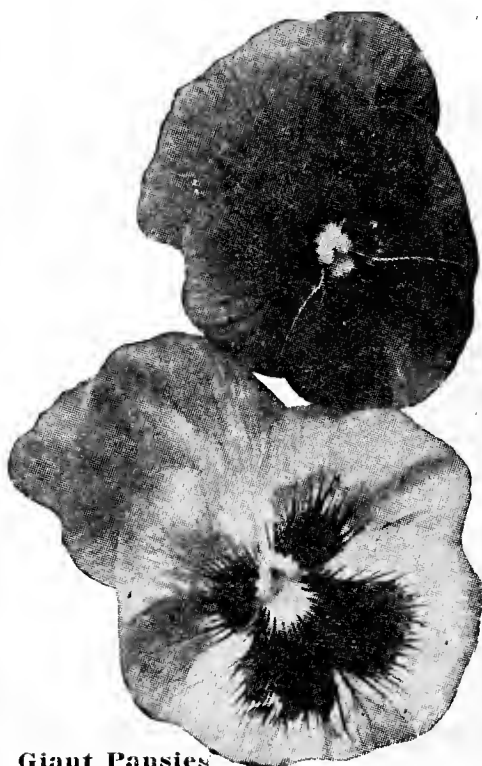
Didiscus, Blue. Pkt. 10c; ½ oz. 50c.

**LANTANA**

Verbena-like heads of orange, rose, white and yellow. Pkt. 10c; ¼ oz. 25c.



LARKSPUR



Giant Pansies

## PANSIES

**Giant Trimardeau.** We import this seed as we find the European strains superior to anything produced in this country.

Pure White	Gold	King of the Blacks
Purple	Cardinal Red	Azure Blue

All of the above are selected varieties, enormous blooms with beautiful centers. Pkt., 10c; ¼ lb., 40c; 1 oz., \$1.00.

Trimardeau Mixed. All colors. Pkt., 10c; ¼ oz., 30c; 1 oz., 80c.

**SPECIAL OFFER**—1 pkt. each of above 6 colors, and 1 pkt. mixed, all for.....

**50c**

**PANSY PLANTS**, strong, vigorous plants, 50c doz., postpaid.

## PETUNIAS

**Rosy Morn.** Clear, soft pink, dwarf. Pkt. 15c; 1/8 oz. 50c.  
**Giants of California.** The largest single. Pkt. 25c.  
**Striped and Blotched.** Very large. Pkt. 15c; 1/8 oz. 40c.  
**Single Mixed.** Pkt. 15c; 1/8 oz. 40c.

## PHLOX

**Drummond.** Mixed. Pkt. 10c; 1/8 oz. 20c; 1 oz. \$1.15.  
**Star.** Mixed. Pkt. 10c; 1/8 oz. 25c; 1 oz. \$1.25.  
For Hardy Phlox Roots see page 20.

## PINKS

**Imperialis.** Double fringed. Pkt. 10c; 1/4 oz. 25c; 1 oz. 75c.  
**Crimson Bedder.** Double as a carnation. Pkt. 15c.

## POPPIES

**Shirley.** Mixed. Single, free blooming and large. Pkt. 10c; 1 oz. 30c.  
**Single.** Mixed. Many varieties suitable for mass bedding. Pkt. 10c; 1 oz. 20c.  
**Double.** Mixed. Blooms are large and attractive. Pkt. 10c; 1 oz. 20c.  
**Flanders.** A popular variety since the war. Pkt. 10c; 1/2 oz. 25c; 1 oz. 40c.

## PORTULACA

**Moss Rose.** One of the best ground coverers. Pkt. 10c; 1/2 oz. 35c; 1 oz. 60c.  
**Double.** Mixed. Pkt. 10c; 1/8 oz. 50c.

## SALPIGLOSSIS

Mixed colors, blooms are velvety and attractive. Pkt. 10c; 1/8 oz. 35c.

## SALVIA (Scarlet Sage)

**Splendens.** Pkt. 10c; 1/8 oz. 60c.  
**Farinacea.** Blue. Pkt. 10c; 1/8 oz. 75c.

## SCABIOSA (Mourning Bride)

Special mixture. Pkt. 10c; 1/4 oz. 25c.

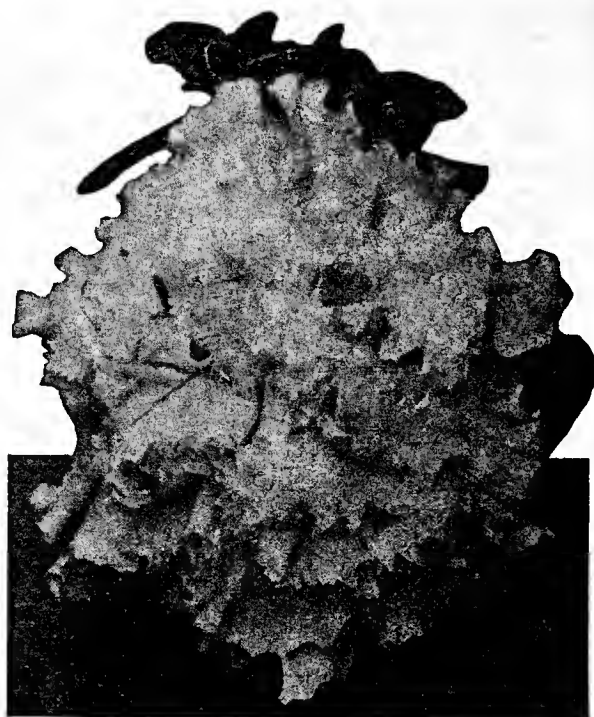
## SCHIZANTHUS (Poor Man's Orchid)

Pkt. 10c; 1/4 oz. 25c.

## SNAPDRAGON—See Antirrhinum

## STOCKS

**Dwarf.** Ten weeks, mixed. Pkt. 10c; 1/8 oz. 35c.



Petunia

## SUNFLOWER

**Giant Russian.** Pkt. 5c; 1/4 lb. 10c; 1 lb. 25c.  
**Chrysanthemum Flowered.** Double. Pkt. 10c; 1 oz. 25c.

## SWEET PEAS—See page 5.

## THUNBERGIA

**Black-Eyed Susan.** Climber. Pkt. 10c; 1/8 oz. 30c.

## VERBENA

**Mammoth.** White, Yellow, Scarlet, Purple, separate colors. Pkt. 10c; 1/8 oz. 25c.  
**Mammoth Mixed.** Pkt. 10c; 1/8 oz. 15c; 1 oz. \$1.00.

## WILD FLOWER GARDEN

A surprise mixture containing many novelties. Pkt. 10c; 1 oz. 50c.

## WOOLFLOWER

A Chinese introduction. Pkt. 10c; 1/4 oz. 50c.

# ZINNIAS

Probably never before in the whole history of the seed trade has any flower caught the fancy of the masses as has the newly improved ZINNIA. Our seed comes from the originator, The Bodger Farms, in California.

There are two distinct varieties, both mammoth in size and sure to please—the GIANT DAHLIA-FLOWERED ZINNIA, noted for its beautiful pastel shades in an array of colors that beggars description, and the NEW GIANT-FLOWERED MAMMOTH, also in an array of colors with long stems. Both are fully double.

## Giant Dahlia-Flowered Zinnias

**Crimson Monarch.** Best enormous red.  
**Exquisite.** Light rose-pink.  
**Dream.** A fine deep lavender.  
**Old Rose.** Old rose shade.  
**Polar Bear.** Pure white.  
**Purple Prince.** Fine, deep purple.

Generous packets of any of the above named varieties, 10c; 1/4 oz. 35c; 1 oz. \$1.25.

**Dahlia-Flowered Mixed.** All colors and shades. Pkt. 10c; 1/4 oz. 25c; 1 oz. 90c; 1/2 lb. \$6.00.

## New Giant Flowered Mammoth, or Colossal Zinnias

Royal Purple	Lavender	Bright Rose	Blood Red	Burnt Orange
Apricot Yellow		Flesh Pink	Golden Yellow	

Separate colors as above. Large pkt. 10c; 1/4 oz. 20c; 1 oz. 50c; 1/2 lb. \$3.00.

**Giant Flowered Mixed.** Pkt. 10c; 1/4 oz. 15c; 1 oz. 40c; 1/2 lb. \$2.50.

## Pompon Zinnias

Beautiful dwarf double variety for borders, etc. Mixed colors. Pkt. 10c; 1/4 oz. 20c; 1 oz. 60c; 1/2 lb. \$3.25.



# SWEET PEAS GIANT FLOWERING SPENCER TYPE

The World's Finest Orchid Flowering

**SWEET PEAS** are worth a little extra care and attention. Their large butterfly-like blossoms in the most exquisite shades and colors appeal to every flower lover. The soil should be well worked up to a depth of 12 inches and the seed planted 4 to 6 inches below the ground surface just as soon as the soil is warm enough to cause germination. Cover seed about 2 inches at time of planting and water thoroughly. For best results use NITRAGIN inoculation. A 25c can is ample for the average planting. Complete directions on can. See page 31.

When sprouts are an inch or so out of the ground, gradually fill in trench until level with surrounding surface. Irrigate frequently but when in bloom do not spray blossoms during the heat of the day.

After blooming begins, fertilize with VIGORO plant food and keep flowers picked as much as possible. Allowing blooms to wither on the vine tends to cause setting of seed pods too early.

## NAMED VARIETIES OF SUMMER FLOWERING SPENCERS

Of the hundreds of varieties, many are duplications. We have selected the favorites of each color and recommend the following—all grown by BURPEE, the world's foremost grower.

**Barbara.** Lovely soft salmon, very large.

**Blue Stone.** A striking new blue. This variety deserves a generous space in your garden.

**Brilliant.** Brilliant cherry-cerise, a Sweet Pea of unusual beauty.

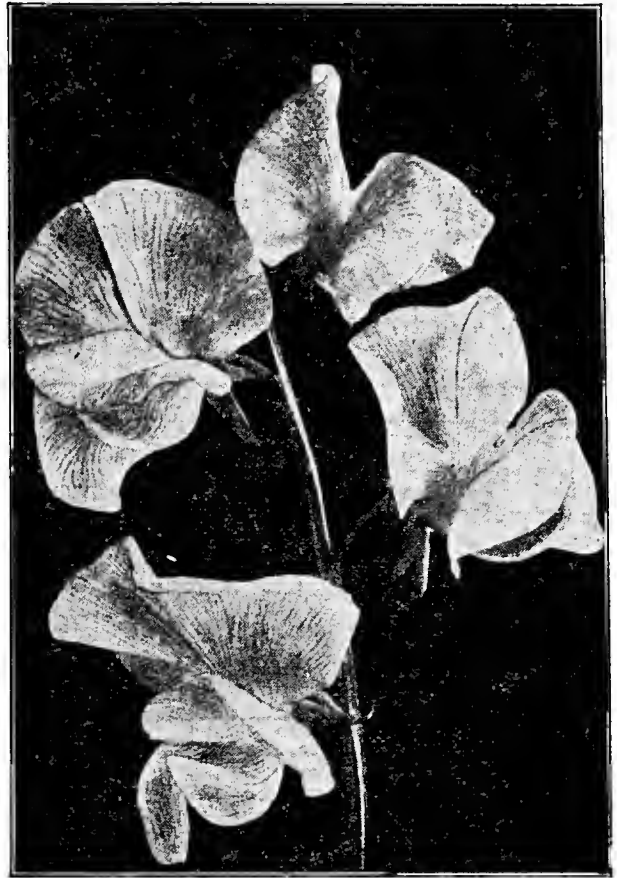
**Cherub.** Rich, creamy yellow, edged with pink.

**Crimson King.** A rich, deep crimson, the best red, does not burn.

**Fordhook Orange.** Glistening orange, the best orange produced.

**Giant Attraction.** Large, shell pink.

**Guinea Gold.** Glowing, liquid gold.



**SWEET PEAS** are heavy feeders. A light application of VIGORO, sprinkled over the surface of the soil, then roughed up and watered thoroughly, every six weeks, will insure luxuriant growth of both vine and flower.

**Hebe.** Large, bright pink, an improvement on Countess Spencer and Hercules.

**Joan Rider.** The finest white, pure and glistening.

**Mrs. C. P. Tomlin.** A wonderful fiery red.

**Powercourt.** One of the finest lavenders.

**Warrior.** A rich chocolate maroon.

**PRICES**—Any of the above separate colors, large packets 10c; ½ oz. 15c; oz. 25c; ¼ lb. 65c; ½ lb. \$1.25; 1 lb. \$2.00, postpaid.

## BURPEE'S BLEND

A mixture of all colors of Spencer named varieties listed above. Large packet 10c; oz. package 15c; ¼ lb. 35c; ½ lb. 60c; 1 lb. \$1.00.

### SPECIAL OFFERS. ALL POSTPAID

#### Ten 10c Packets for 75c

1 each of Blue Stone, Brilliant, Crimson King, Giant Attraction, Hebe, Joan Rider, Mrs. C. P. Tomlin, Powercourt, Warrior, and mixed.

#### Seven 10c Packets for 50c

1 each of Blue Stone, Brilliant, Crimson King, Guinea Gold, Hebe, Joan Rider and Warrior.

# Bargains in Flower Seed Collections

## Flower Seed Collection No. 1 (Annuals)

1/4-oz. Giant Dahlia Flowered Zinnia, value.....	\$0.25
1 -oz. Burpee's Blend, Mixed Sweet Peas, value.....	.15
1 large pkt. each of Snapdragons, Petunias, Calendula, Salpiglossis, Four o'Clocks, and Verbenas, value.....	.60
Total Value .....	\$1.00

Sent Prepaid for Only 65c

## Flower Seed Collection No. 2 (Perennials)

1 large pkt. each of the following: Fox Glove, Delphinium (Hardy Larkspur), Gaillardia, Lupinus, Gypsophila (Baby's Breath), Shasta Daisy, Oriental Poppy, Sweet William. Total Value.....	\$0.80
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Sent Prepaid for Only 50c

## Rock Garden Collection No. 3

For Description, See Pages 19 and 20

1 large pkt. each of: Achillea Mill., Roseum, Aquilegia Coerulea, Campanula Carpatrica, Candytuft, Dianthus, Euphorbia, Geum, Myosotis, Penstemon, and Platycodon. Value.....	\$1.00
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Sent Prepaid for Only 65c

# Perennial Flower Seeds

For PERENNIAL PLANTS, see pages 19 and 20

**Ampelopsis** (Woodbine). Fast-growing climber. Pkt. 10c; 1 oz. 25c.  
**Canterbury Bell**. Profusion of bell-shaped flowers. Pkt. 10c; 1/8 oz. 25c.  
**Carnation**. Double mixed. Pkt. 10c; 1/8 oz. 40c.  
**Carnaiton**. Marguerite mixed. Pkt. 10c; 1/4 oz. 35c.  
**Columbine**. True Rocky Mountain. Pkt. 10c; 1/4 oz. 50c; 1 oz. \$1.50.  
**Columbine**. Mixed Hybrids. Pkt. 10c; 1/4 oz. 40c.  
**Daisy**. Double English. Pkt. 10c; 1/8 oz. 40c.  
**Daisy**. Shasta, Alaska. Pkt. 10c; 1/8 oz. 50c; 1 oz. \$2.25.  
**Delphinium**. Perennial Larkspur. Much improved of late. Mixed. Pkt. 10c; 1/8 oz. 30c.  
**Delphinium**. Belladonna, light blue. Pkt. 10c; 1/8 oz. 60c.  
**Delphinium**. Kelway's Hybrids. Mixed. Pkt. 10c; 1/8 oz. 40c.  
**Forget-Me-Not**. Fine for shady places. Pkt. 10c; 1/8 oz. 25c.  
**Foxglove**. Digitalis, mixed. Pkt. 10c; 1/8 oz. 25c.  
**Gaillardia**. Mixed Grandiflora. Pkt. 10c; 1/4 oz. 25c.  
**Geum**. Mrs. Bradshaw, double orange-scarlet. Pkt. 10c; 1/4 oz. 75c.  
**Gypsophila** (Baby's Breath). Paniculata. White. Pkt. 10c; 1/4 oz. 25c.  
**Gypsophila**. Double. Pkt. 25c; 1/8 oz. \$3.00.  
**Hollyhock**. Scarlet, Rose, Yellow, Crimson, Salmon-pink, in separate colors. Pkt. 10c; 1/4 oz. 35c. Mixed colors: Pkt. 10c; 1/4 oz. 25c.  
**Lupinus**. White, Pink, Blue, in separate colors. Pkt. 10c; 1/4 oz. 25c. Mixed: Pkt. 10c; 1/4 oz. 20c.  
**Phlox**. The perennial variety makes excellent hedge plants, growing from the root each year. Mixed colors. Pkt. 15c.  
**Poppy**. Orientale, bright scarlet, enormous. Pkt. 10c; 1/4 oz. 40c. Oriental Hybrids, mixed: Pkt. 10c; 1/4 oz. 40c. Iceland, single mixed: Pkt. 10c; 1/4 oz. 50c.  
**Pyrethrum**. Roseum, Painted Daisy. Fine for cut flowers. Pkt. 10c; 1/8 oz. 50c.  
**Statice Latifolia**. Sea Lavender. Pkt. 10c; 1/4 oz. 50c.  
**Sweet Peas**. Perennial, Lathyrus. Pkt. 10c; 1/4 oz. 25c.  
**Sweet William**. Usually bloom first year from seed. Mixed. Pkt. 10c; 1/4 oz. 25c.  
**Viola Cornuta**. Tufted Pansy. Pkt. 10c; 1/8 oz. 50c.  
**Violet**. Odorata, fragrant. Pkt. 10c; 1/8 oz. 50c.

# VEGETABLE SEEDS

When incomes are reduced the thrifty family will make use of every inch of yard space for a vegetable garden. It is truly astonishing how much can be raised on a carefully arranged plot of ground. It is equally astonishing how much better fresh pulled vegetables taste as compared to what can be purchased at stores or from peddler wagons.

Resolve to have a vegetable garden this year and beat the HIGH COST OF LIVING. Prepare your ground early, spade it deep and pulverize the soil. Avoid the use of barnyard fertilizers as it is from this source that cut-worms come. Use VIGORO lightly; it costs less and produces much better results. Four pounds of VIGORO to each 100 square feet will produce an abundant crops of CRISP, JUICY vegetables.

**WE PAY POSTAGE ON VEGETABLE SEEDS**

## ARTICHOKE

One ounce will sow 100 feet of row, and produce about 500 plants. A deep, rich, sandy loam is best adapted to this plant. Complete cultural directions will be furnished with each order.

**Improved Large Green Globe.** Heads large, fleshy and of rich flavor. Cooks up nicer than usual because of fine grained flesh. Pkt. 10c; 1 oz. 50c; ¼ lb. \$1.50 postpaid.

## ASPARAGUS

One ounce will sow 50 feet of row and produce about 800 plants. Complete cultural directions with each order. Every fall, after the tops have been cut down, apply a dressing of coarse manure, and in the spring fork it in. As Asparagus is a salt water plant, an occasional top-dressing of salt at the rate of ½ pound to the square yard is also beneficial and keeps down the weeds.

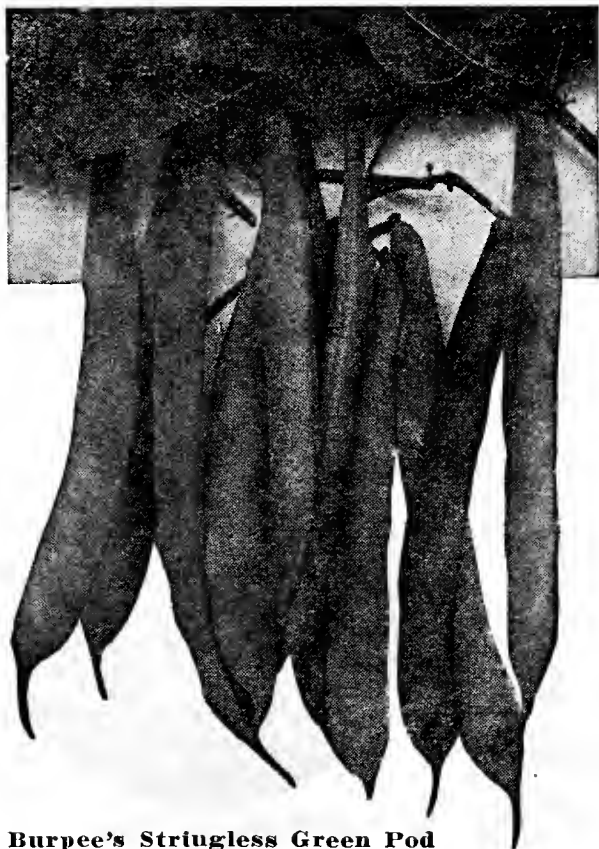
**Early Giant Argenteuil.** True green. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

**Mary Washington.** Rust resistant. Pkt. 10c; oz. 20c; ¼ lb. 60c; lb. \$1.25 postpaid.

**Palmetto.** Earlier than Conover's. Of southern origin, but suitable for the north also; large, productive. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. \$1.00.

### Asparagus Roots

Dozen 45c; 100 \$1.50; postpaid.



Burpee's Stringless Green Pod

## BEANS

One pound will plant 100 feet of drill.

**CULTURE.** Cover the seed one and one-half to two inches deep and thin the young plants three to six inches apart in the row. If planted in hills, make the hills about two feet apart each way. For succession, plant at intervals of two weeks till mid-summer. The plants up to the time of blossoming should have frequent shallow cultivation.

Use Nitragin Inoculating Bacteria to increase Bean crops. Trial size 25c; ½ bu. size 40c; 1 bu. size 60c; acre size 90c postpaid.

### Bush Green Pods

**Burpee's Stringless Green Pod.** Earliest, most hardy and absolutely stringless. Pkt. 5c; ¼ lb. 10c; lb. 30c; 5 lbs. \$1.20.

**Long Yellow Six Weeks.** Early, long podded variety, good producer, tender and brittle. Pkt. 5c; ¼ lb. 10c; lb. 30c; 5 lbs. \$1.20.

**Giant Stringless Green Pod.** Extra long, brittle pods. Pkt. 5c; ¼ lb. 10c; lb. 30c; 5 lbs. \$1.20.

**Ex. Ea. Red Valentine.** Round, fleshy pods. Pkt. 5c; ¼ lb. 10c; lb. 30c; 5 lbs. \$1.20.

**Dwarf Horticultural.** Excellent for green or shell beans. Pkt., 5c; ¼ lb. 10c; lb. 30c; 5 lbs. \$1.20.

**Bountiful Stringless.** Good market variety. Pkt. 5c; ¼ lb. 10c; ½ lb. 20c; lb. 30c; 5 lbs. \$1.20.

**Fordhook Bush Lima.** Does well in light soil. Pkt. 5c; ¼ lb. 10c; lb. 35c; 5 lbs. \$1.60.

**Henderson's Bush Lima.** Smaller than regular Lima but better producer in this territory. Pkt. 5c; ¼ lb. 10c; lb. 35c; 5 lbs. \$1.50.

### Bush Wax Pods

**Improved Golden Wax.** Pods broad and flat and very abundant. Pkt. 5c; ¼ lb. 10c; lb. 35c; 5 lbs. \$1.60.

**Dwarf Black Wax.** Deep yellow pods, crisp and brittle. Pkt. 5c; ¼ lb., 10c; lb. 35c; 5 lbs. \$1.60.

**Davis White Wax.** Favorite with market gardeners, makes good shell bean. Pkt. 5c; ¼ lb. 10c; 1 lb. 35c; 5 lbs. \$1.60.

**Brittle Wax or Kidney Wax.** Favorite for canning. Pkt. 5c; ¼ lb. 10c; lb. 35c; 5 lbs. \$1.60.

**Golden Cluster Wax.** Similar to Golden Wax above. Pkt. 5c; ¼ lb. 10c; lb. 35c; 5 lbs. \$1.60.

### Pole or Runing Varieties

**Kentucky Wonder.** King of all Pole Beans. Long, stringless pods in great abundance. Green. Pkt. 5c; ¼ lb. 10c; lb. 35c; 5 lbs. \$1.60.

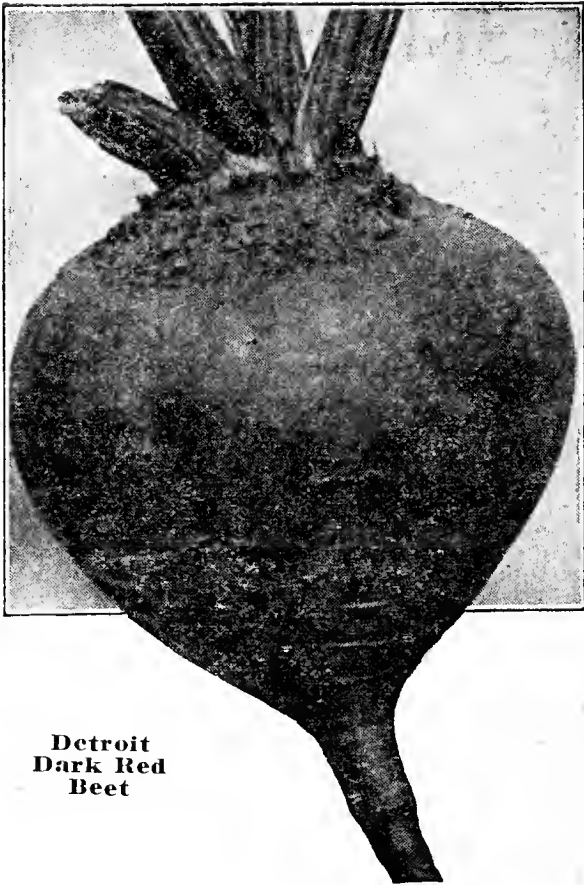
**Kentucky Wonder Wax.** Yellow pod variety equal to Kentucky Wonder. Pkt. 5c; ¼ lb. 10c; lb. 35c; 5 lbs. \$1.60.

**Lazy Wife.** White seed, green pod, stringless. Pkt. 5c; ¼ lb. 10c; lb. 30c; 5 lbs. \$1.40.

**Dutch Case Knife.** Old time favorite. Pkt. 5c; ¼ lb. 10c; lb. 35c; 5 lbs. \$1.60.

**Scarlet Runner.** A rapid-growing, red-flowered climber. Pkt. 5c; ¼ lb. 15c; ½ lb. 25c; lb. 45c.

**Field Beans.** See page 18.



**Detroit  
Dark Red  
Beet**

upright stems of the plant look like miniature cabbages. Very hardy, improved by frost. One ounce will produce 2,000 plants.

**Half-Dwarf Improved.** Bearing a large crop of small, solid, tender heads. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$1.75.

## CABBAGE

Have you ever made any Sauerkraut or Liberty Cabbage? It is easy to make, and we will be glad to tell you how. It sure will taste good to you next winter.

**CULTURE.** One ounce of good seed will produce 2,000 plants. For early Cabbages sow the seed in a hotbed in March or April, covering the seed from one-quarter to one-half inch deep and when big enough transplant to another bed. As soon as the ground is in good condition, transplant outside in rows 2 feet apart and 15 to 18 inches in a row. The soil should be mellow, rich and well drained. For late crops the seed can be sown in a cold frame or even in the open ground, and then transplanted in rows 3 feet one way and 2 feet the other, so as to be able to work with a horse and cultivator. One ounce of saltpeter dissolved in 3 gallons of rain water, sprinkled over the Cabbage or Cauliflower will destroy the green worm. The liquid being clear does not color the Cauliflower or Cabbage heads. Fine air-slacked lime or tobacco dust sifted on the young plants as soon as the fleas appear on the ground will prevent them from doing harm.

### Earliest Varieties

**Copenhagen Market.** The earliest round head, short stem Cabbage offered today. The heads are even in size of about 8 lbs. average and will stand longer than other early varieties without bursting. Pkt. 5c; oz. 35c; ¼ lb. \$1.00; lb. \$3.00.

**Early Jersey Wakefield.** Cone shaped heads maturing from late in June to July. Pkt. 5c; oz. 25c; ¼ lb. 90c; lb. \$2.50.

**Early Wingstadt.** But little later than Wakefield. Heads round and solid. Pkt. 5c; oz. 30c; ¼ lb. 75c; lb. \$2.50.

**Glory of Enkhuisen.** Medium early, solid round heads. Pkt. 5c; oz. 30c; ¼ lb. 90c; lb. \$2.75.

**Early Dwarf Flat Dutch.** One of the most reliable headers. Medium early. Can be planted close on account of absence of "wing leaves." Pkt. 5c; oz. 25c; ¼ lb. 75c; lb. \$2.50.

**All Seasons.** Good variety for kraut. Pkt. 5c; oz. 25c; ¼ lb. 75c; lb. \$2.50.

### Second Early or Round Headed

**Premium Late Flat Dutch.** Favorite for late crop. Makes enormous size and uniform, solid heads. Pkt. 5c; oz. 25c; ¼ lb. 75c; lb. \$2.50.

**Danish Ballhead or Hollander.** Hardest heading variety known. One of the best keepers. Pkt. 5c; oz. 25c; ¼ lb. 75c; lb. \$2.50.

**Mammoth Red Rock.** Largest heading Red Cabbage. Fully as large as Flat Dutch and fine grained. Pkt. 5c; oz. 25c; ¼ lb. 75c; lb. \$2.50.



**Copenhagen Market  
Cabbage**

## BEETS—Table Varieties

**CULTURE.** Beets require a deep, rich, mellow soil, and may be sown from early spring to commencement of summer. Drop about an inch deep in drills 12 to 18 inches apart. One ounce to 60 feet of drill; 6 to 8 lbs. to the acre. When well up thin to from 3 to 4 inches apart. The young beets pulled out of the row are excellent when used as spinach. All Postpaid.

**Detroit Dark Red.** Favorite Beet for table or canning. Deep, blood red throughout. Tender and fine flavor. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 80c.

**Early Blood Red Turnip.** Turnip Beet. Early variety, tender and second to above. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 80c.

**Early Eclipse.** Globular shape, early and tender. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 80c.

**Ex. Early Egyptian.** Earliest of Beets. Larger than most varieties but not as tender. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 80c.

**Long, Smooth Blood.** Best long beet grown. Late variety, hence good for second crop. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.

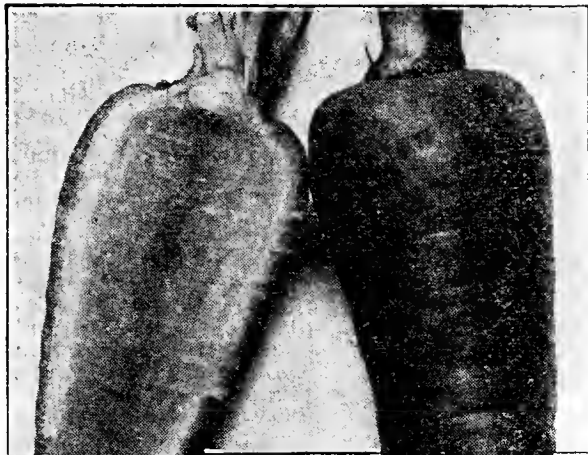
**Swiss Chard or Foliage Beet.** More desirable than Spinach for greens. Leaves are broad, flat and green with white stem. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 80c.

**Sugar and Stock Beets.** See page 18.

## BRUSSELS SPROUTS

A very delicate vegetable and deserves a more general cultivation than they receive. The plant belongs to the Cabbage family and should be grown and cultivated like Cabbage. The "sprouts" which grow around the strong,





**Danver's Half Long Carrots**

## CARROTS

One ounce will sow 100 feet of drill; 3 to 4 lbs. for an acre.

**CULTURE.** Carrots may be sown in hot-beds in February for early use. In open ground from March to first of July; however, main crop will produce best results if sown from first of May to first of July. Thin out early plantings to 5 inches apart in the row and main crop 6 to 8 inches apart. The rows should be 10 inches apart for early crop and 15 to 18 inches for main crop. Cultivation should be carefully performed to keep down the weeds and deep hoeing between the rows will give a large increase in the crop. Sow from 2 to 3 pounds to the acre. Carrot tops, cut from young plants, may be used for garnishing.

**Ox Heart, or Guerande.** Especially desirable for clay soil. Root is short and thick and flesh is bright orange in color. Heart is tender and not woody. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. 90c.

**Danver's Half Long.** One of the leading varieties. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. 90c.

**Chantenay.** Medium early and very productive. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. 90c.

**Improved Long Orange.** Good in light, sandy soil. Larger than other late varieties.

Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. 90c.

**Early Scarlet Horn.** Extra early and for that reason recommended for market. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. 90c.



**Early Snowball Cauliflower**

## CAULIFLOWER

One ounce will produce 3,000 plants. Cultural directions for Cabbage apply for this crop, but the soil should be more heavily manured. Keep ground well hoed, and bring earth gradually up to stems. Water freely, especially when they begin to head. Never allow plants to become crowded in seed-bed; transplant them with great care, as any check will injure, if not prevent formation of the head. For late Cauliflower set plants in a cool, moist place. When heads form, the long leaves should be drawn over and tied above them, to keep off sun and rain.

**Henderson's Early Snowball.** One of the best types on the market. Its compact habit of growth renders it a very profitable variety to force under glass, and it does well for late planting, as well as for early crops. A sure header. Pkt. 15c; ¼ oz. 60c; oz. \$1.80; 2 ozs. \$3.40; ¼ lb. \$6.00.

**Early Paris.** Medium size. Pkt. 10c; ¼ oz. 30c; oz. 80c; ¼ lb. \$2.50; lb. \$8.00.

## CELERY

One ounce will produce from 5,000 to 10,000 plants.

**CULTURE.** The conditions necessary for successful Celery cultivation are good seed, plenty of manure and complete fertilizers, moisture and cultivation. The most suitable soil is rich loam, finely pulverized and highly enriched with 30 to 40 loads to the acre of good stable manure. Sow seed in boxes for early planting; later plants may be produced from seeds sown in frames or open ground. Transplant 4 inches apart when 3 inches high, water and protect until well rooted, then transplant into rows for garden culture 18 inches to 2 feet apart, for field culture in rows 4 to 6 feet apart; set the plants from 8 to 12 inches apart, supply plenty of moisture and see that plants receive thorough cultivation. They may be set either on the surface or in well manured trenches 1 foot in depth. To blanch draw earth around the plants, being careful **not to cover the tops of the center shoots.**

**Giant Pascal.** By far the most popular Celery. Medium to small size, but wonderfully well flavored. Pkt. 5c; oz. 30c; ¼ lb. 80c; lb. \$2.50.

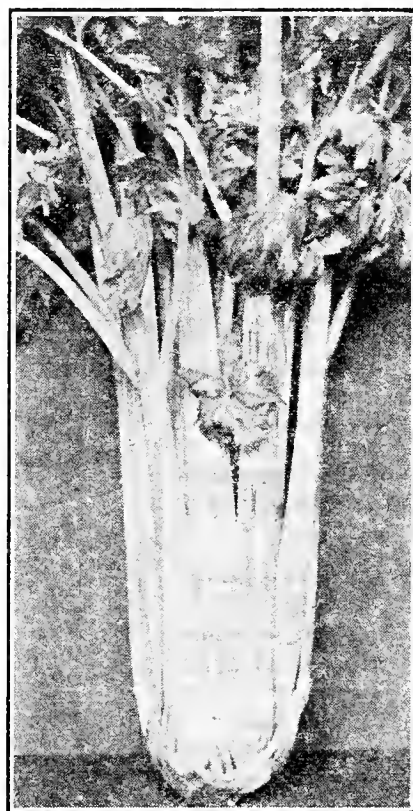
**Golden Self Blanching.** Blanches easily and larger than Pascal. Pkt. 10c; oz. 50c; ¼ lb. \$1.50; lb. \$5.25.

## CELERIAC

(Turnip-Rooted Celery)

**CULTURE.** Grown mostly for its bulbous roots. Seeds are started and plants set out in the same way as advised for Celery. Celeriac is not usually blanched, but is very fine when thus treated, and much harder than the stalk Celeries.

**Large, Smooth Prague.** An improved form of turnip-rooted Celery; round, smooth roots with very few side roots. Pkt. 5c; oz. 25c; ¼ lb. 75c.



**Giant Pascal Celery**

## CHICORY

**CULTURE.** Sow in May or June in drills, thin out to 6 inches apart, treat like Endive until end of summer, when it should be banked up like Celery. The blanched stocks are used as a salad. It is also a boiled vegetable and served in the same way as Cauliflower.

**Witloof.** The best variety. Pkt. 5c. oz. 15c; ¼ lb. 50c.

## CHIVES

Resembles the Onion in growth and family. Used largely as salad and for flavoring, especially soups. Can be cut repeatedly during the growing season. Grown also in pots in windows. Pkt. 10c; roots 20c bunch, 3 for 55c, postpaid.

## COLLARDS

**CULTURE.** Sow seeds as for Cabbage, at intervals of about 3 weeks during May, June and July, transplanting at one month to rows 3 feet apart, leaving 2 feet between plants. The leaves are highly esteemed as greens.

**True Georgia.** Pkt. 5c; oz. 15c; ¼ lb. 50c.

## CORN SALAD

**CULTURE.** Sow during August and September in drills ¼ inch deep and 6 inches apart. Keep weeds down. Just before winter cover thinly with leaves or straw.

**Large Round-Leaved.** Matures in four or five weeks. Sow two ounces to 100 feet of drill. Pkt. 5c; oz. 15c; ¼ lb. 50c.

## CRESS

**Curled or Peppergrass.** This small salad is much used with lettuce, to the flavor of which its warm, pungent taste makes a most agreeable addition. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

**Water Cress.** This variety succeeds only in damp soils on the border of ponds or streams, or where its roots are partially submerged in water. Pkt. 10c; ¼ oz. 20c; oz. 50c; ¼ lb. \$1.50.

## CUCUMBERS

**CULTURE.** One ounce will plant 100 hills; 2 pounds will plant an acre. Plant in hills 4 feet apart each way. Leave four of the strongest plants to each hill.

**Improved Long Green.** Pickle when small and unexcelled for slicing when matured. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. 90c.

**White Spine.** Early, prolific and continuous bearer. One of the most popular varieties. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. 90c.

**Early Frame.** Fruit straight and smooth. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.10.

**Davis Perfect.** Excellent for forcing under glass; also for outdoor culture. Medium in size. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

**Boston Pickling.** Best pickling variety. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

**Early Cluster.** Medium to small; produced in clusters. Tender and well flavored. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

**Japanese Climbing.** Is grown on trellis. Makes an excellent cover for fence or porch while producing edible variety of fruit. Pkt. 5c; oz. 20c; ¼ lb. 50c; lb. \$1.50.

Would you like to make 100% profit?

An investment of 25c in vegetable seeds plus healthful outdoor exercise will produce \$2.50 in succulent vegetables.



New York Eggplant

**New York Improved Purple.** Fruit large, fine and free from thorns, and produces until frost; skin rich purple. Pkt. 10c; ¼ oz. 20c; oz. 50c; ¼ lb. \$1.50.

## Eggplant

One ounce will produce 2,000 plants

A strong, uniform heat is required to germinate the seeds, and a thoroughly pulverized, well enriched, warm soil is necessary to perfect the fruit. Transplant to 3 feet apart each way, and when about a foot high support the plants by drawing the earth up around them.

## ENDIVE

One ounce will sow 150 feet of drill. Sow in any ordinary dry soil in drills 1 foot apart, covering lightly. When the plants are about 2 inches high, thin to about 12 inches in the row. When the plants have attained full size, gather up the leaves and tie together at the tips. The inner leaves, in the course of three or four weeks, will become beautifully blanched.

**Green Curled.** Finely curled, dark green leaves; excellent plant. Not only most useful as a salad, but much used for garnishing. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

**Broad Leaved Batavian (Escarolle).** Leaves are broad and nearly plain; chiefly used in stews and soups. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

## GARLIC SETS

Garlic sets or bulbs are planted from September to March in rows 12 inches apart, placing the sets 4 inches apart in the rows, 2 inches deep. ¼ lb. 15c; lb. 35c; 2 lbs. 65c postpaid.

## HERBS

A few Pot Herbs and Sweet Herbs should have a place in every vegetable garden. A very small space will give all the herbs needed by a family. Culture is very simple; the best way is to make seed-bed in the early spring and set the plants out in beds.

All varieties in 5c, 10c and 25c packages.

**Anise.** Used for flavoring.

**Caraway.** Seeds used in seasoning.

**Catnip.** Leaves used for tea.

**Coriander.** Seeds used for seasoning.

**Dill.** Used for seasoning pickles.

**Horehound.** Very useful for curing coughs.

**Lavender.** Leaves very fragrant.

**Rosemary.** Leaves very fragrant.

**Rue.** A medicinal plant.

**Saffron.** Used for flavoring.

**Sage.** A highly aromatic herb; most useful of all.

**Savory, Summer.** Leaves and shoots used for seasoning.

**Sorrel.** Used in soups and salads.

**Sweet Basil.** Leaves used for flavoring.

**Sweet Fennel.** Seeds aromatic.

**Thyme.** Used as a seasoning.

**Wormwood.** Has medicinal qualities. A splendid plant for poultry.

## Horseradish Roots

No home garden is complete without them. 25c doz., postpaid; 100 for \$1.00.



# KALE or BORECOLE

One ounce will produce 2,000 plants;  
4 pounds to the acre.

**CULTURE.** Sow from the middle of April in hotbeds; transplant in June and treat same as Cabbage. Of all the Cabbage tribe this is the most tender and delicate, and much more would be grown if its excellent qualities were generally known. Drill in rows of 2½ feet and thin to 6 to 10 inches. The varieties are extremely hardy.

**Dwarfed Curled Green.** Extensively grown as winter greens. Sow in autumn in rows 1 foot apart and treat as Spinach. Plants very hardy, 4 to 6 inches high. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

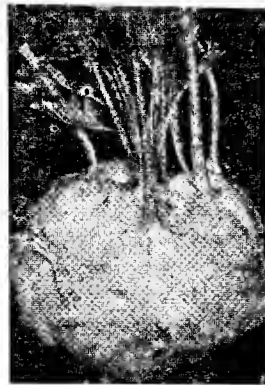
**Tall Curled Scotch.** Grows about 18 inches in height and spreads, sometimes reaching 3 feet in diameter. Desirable for winter use. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

# KOHL-RABI

A plant forming a firm bulb above the ground and bearing short leaves. The bulb is the edible part, and when cooked tastes very much like turnip. If the seed is sown early the young bulbs will be ready for use in spring, and a planting in July will secure good vegetables for fall use. The seed should be planted in the open garden in 18-inch rows and the young plants thinned to four or six inches. It does not transplant well, unless when very small.

**Early White Vienna.** The most desirable variety for general use. It is very early and has small tops. Color light silvery green. Pkt. 5c; oz. 20c; ¼ lb. 60c; 1 lb. \$1.75.

**Early Purple Vienna.** Has a bright purple bulb. The leaf and stems are green and tinged with purple. Pkt. 5c; oz. 20c; ¼ lb. 60c; 1 lb. \$1.75.



Kohl-Rabi

# LEEK

One ounce will plant 200 feet of drill;  
4 pounds to the acre.

**CULTURE.** Leek is very hardy and very easily cultivated. Sow early in spring in rich soil ½ inch deep, in drills 1 foot apart. When 6 inches high, transplant in rows 10 inches apart each way; as deep as possible, so that the neck, being covered, may be blanched.

**Large London Flag.** The oldest and best known and most largely grown variety. Pkt. 5c; oz. 20c; ¼ lb. 60c; 1 lb. \$1.75.

# LETTUCE

**CULTURE.** Sow in hotbed or boxes in February or March and in open ground as soon as it can be worked; transplant to rows 8 inches apart both ways. Extra rich, mellow soil, high cultivation and moisture are demanded by lettuce to secure best results. Lettuce is hardy and makes better growth when mercury is below 60 degrees; when above 75 degrees the plant is soon drawn out of shape. A succession of plantings at intervals of two weeks after first outdoor planting is desirable. In August any of the varieties can be sown either outdoors or in frames. In October, Grand Rapids and Denver Market may be planted in frame to head in winter. Always sow seed thin and then thin out plants to stand from 6 to 8 inches apart in row. Lettuce requires good soil, carefully enriched with well rotted manure and well pulverized to secure the best results. For hotbed and very early sowing, we especially recommend Big Boston, Grand Rapids, Early Curled Simpson and Black Seeded Simpson.

## Loose or Cutting Varieties

**Black Seeded Simpson.** One of the best leaf varieties. Leaves are fluffy but not crinkled. Tender and sweet. Pkt. 5c; oz. 15c; ¼ lb. 35c; ½ lb. 60c; 1 lb. \$1.00.

**Simpson's Early Curled.** Crisp and tender. Pkt. 5c; oz. 15c; ¼ lb. 35c; ½ lb. 60c; 1 lb. \$1.00.

**Grand Rapids.** Popular because of large bunches. Leaves are rather smooth with frilled edges. Pkt. 5c; oz. 15c; ¼ lb. 35c; ½ lb. 60c; 1 lb. \$1.00.

**Denver Market.** Semi-head. Wrinkled leaves. Pkt. 5c; oz. 15c; ¼ lb. 35c; ½ lb. 60c; 1 lb. \$1.00.



California Cream Butter Lettuce

## Heading Varieties

**California Cream Butter.** Large, rich, creamy heads. Pkt. 5c; oz. 15c; ¼ lb. 35c; ½ lb. 60c; 1 lb. \$1.00.

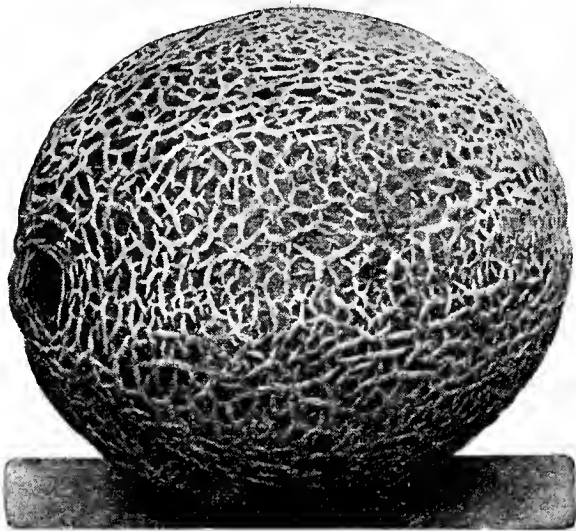
**Paris White Cos.** Distinct from other varieties. Leaves long and straight but when tied up heads nicely. Pkt. 5c; oz. 15c; ¼ lb. 35c; ½ lb. 60c; 1 lb. \$1.00.

**Prize Head.** Not really a heading variety, though usually so catalogued. Leaves are red edged. Pkt. 5c; oz. 15c; ¼ lb. 35c; ½ lb. 60c; 1 lb. \$1.00.

**Hanson's Improved.** Favorite with market gardeners. Heads easily if not grown too close together. Pkt. 5c; oz. 15c; ¼ lb. 35c; ½ lb. 60c; 1 lb. \$1.00.

**Iceberg.** Leaves have a tendency to turn in, hence sure to head. Tender and crisp. Pkt. 5c; oz. 20c; ¼ lb. 50c; ½ lb. 90c; 1 lb. \$1.50.

**New York Select or Los Angeles.** Solid heading variety often weighing 2 to 3 pounds. Pkt. 5c; 1 oz. 25c; ¼ lb. 75c; 1 lb. \$1.75.



**Burrell's Gem**

## MUSKMELONS

One ounce to 60 hills; 3 pounds to acre.

**CULTURE.** A rich, deep, sandy soil well worked and highly manured is of the utmost importance. Plant when all danger of frost is over, in hills 5 to 6 feet apart each way; scatter a dozen seeds to a hill and afterwards thin out to 3 or 4 plants. Cantaloupes and Cucumbers are often destroyed by lice and should be well sprinkled with slug shot when the plants appear. When they have 4 leaves, pinch off the end of the main shoots, which will cause lateral branches to put forth sooner and strengthens the growth of the vines.

**Burrell's Gem.** An orange fleshed Rocky Ford. Fine grained and spicy. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.

**Rocky Ford.** Oval shaped, of netted type. Green flesh of fine flavor. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.

**Emerald Gem.** One of the earliest. Green skin and salmon flesh. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 80c.

**Hackensack.** Ribbed variety, large and round. Good market variety. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. \$1.00.

**Netted Nutmeg.** Medium size, early, green flesh. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.

**Osage, or Miller's Cream.** Pink fleshed, spicy flavor. Very heavy producers. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.

**Casaba or Large Persian.** Long, oval shape. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.00.

**Honey Dew Melon.** Comparatively new type of melon. Flesh is deep green, unusually sweet and will keep 3 to 5 months after ripe. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.30.

**Greeley Wonder.** Salmon flesh with thick meat. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.50.

**Honey Ball.** Earlier than Honey Dew and smaller. Green meat with greenish-white skin. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.50.

## WATERMELONS

### Selected Strains of the Choicest and Best Varieties

One ounce to 60 hills; 4 or 5 pounds to the acre.

**CULTURE.** The culture of the Watermelon is very similar in all respects to that of the musk varieties, being hardier and of more vigorous habit. However, it may be planted in May, before settled warm weather appears, in hills not less than eight feet apart, and thinned to two vines per hill.

**Kolb's Gem.** The best shipping melon. Rind thin but tough. Striped, slightly oval and of good size. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

**Rocky Ford.** Oblong, green rind, superb flavor. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

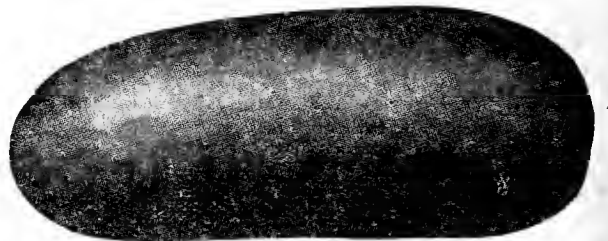
**Tom Watson.** A large melon, oblong and green with thick netting on entire surface. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

**Kleckley's Sweet.** Early, medium sized and very sweet. Skin dark green, flesh bright red. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

**Mountain Sweet.** Long, green type. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

**Georgia Rattlesnake.** Sometimes called "Gypsy." Very large and good shipper. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

**Kansas Stock, or Colorado Preserving.** A boon to dry farmers. Often weighs 60 to 70 lbs. Will keep all winter and can be fed to stock all winter. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.



**Tom Watson Melon**

## MUSTARD

When young the leaves are used for salad, which, although slightly pungent, is very appetizing. Mustard may also be cooked like Spinach and will make a very wholesome and delicious food. Sow early in the spring in shallow drills. One ounce will sow 5 feet of drill.

**Mammoth Southern Curled.** The large, curled leaf variety, popular in the South, where the seed is sown in the fall for spring use. Pkt. 5c; oz. 15c; ¼ lb. 25c; lb. 60c.

**Brown or Black.** More pungent in flavor than the white. Seed black. Pkt. 5c; oz. 15c; ¼ lb. 30c; lb. 75c.

## OKRA

**CULTURE.** Sow late in the spring, after the ground has become warm, in drills 3 feet apart, where the plants are to remain. Thin out to from 9 to 12 inches. Soil should be well manured. Plants may also be raised in pots or hotbed and transplanted.

**White Velvet.** Of tall growth, pods never prickly to touch, being always round and smooth. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 50c.

**Early Dwarf Prolific.** Grows low, but stocky and is very productive. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 60c.

# ONIONS

One ounce of Onion seed for 200 feet of drill; 4 to 5 pounds to the acre.

**CULTURE.** Sow in drills 1 foot apart as soon as the ground can be worked in the spring. Thin plants to 3 or 4 inches apart and keep down weeds. Soil should be light and well fertilized but avoid fresh manure. In growing sets use 70 to 80 pounds of seed to the acre, drilled in very thick. The two essential points in Onion growing are, thorough preparation of the soil, and freedom from weeds.

**Mountain Danver's Globe.** The earliest and longest keeping Yellow Globe Onion. A full month earlier in maturing than most varieties, and one of the heaviest yielding. Frequently produces one thousand bushels to the acre. Pkt. 5c; oz. 25c; ¼ lb. 65c; lb. \$1.75; 5 lbs. \$7.75.

**Mountain Sweet Spanish.** This onion is selected for its keeping qualities from the Riverside Sweet Spanish. It forms a large yellow globe with sweet flesh. Pkt. 5c; oz. 35c; ¼ lb. \$1.00; lb. \$2.25; 5 lbs. \$10.00.

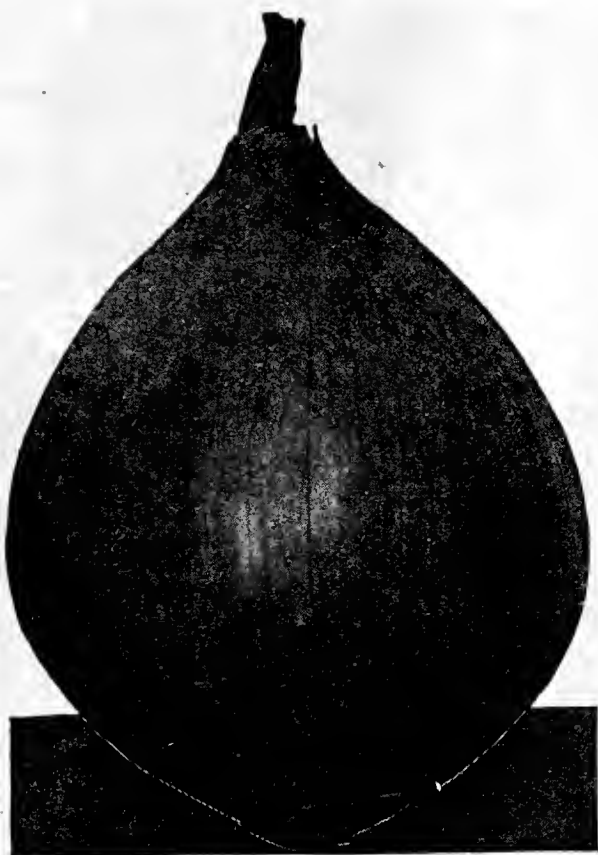
**Yellow Globe Danvers.** Brownish-yellow skin with mild flavor. A very excellent variety. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$1.75.

**Prizetaker.** Heavy yielder on account of immense size. Skin pale straw color, flesh white and mild. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.50.

**Large Red Weathersfield.** Best red variety. By far the finest strain of red onions. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.35.

**Southport Red Globe.** Matures slightly ahead of Weathersfield. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.35.

**Silver Skin, or White Portugal.** Medium sized, rather flat. Our strain is particularly excellent. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$1.50.



Mountain Danver's Globe

**White Barletta Pickling.** Best pickling onion. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$1.50.

## Onion Sets

Yellow, White or Red Bottom Sets. ¼ lb. 10c; ½ lb. 15c; lb. 25c; ¼ bn. \$1.25.

# PARSLEY

One ounce of seed for 150 feet of drill.

**CULTURE.** Soak the seed in warm water for several hours, and sow in border or frame; thin the row or transplant to another bed. If to be carried late into the fall, set 8 inches apart both ways, and cover with litter. It will go through the winter with moderate protection. Make open ground sowing in April.

**Moss Curled.** A choice selected strain with beautifully crimped and curled bright-green leaves. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 70c.

# PARSNIPS

One ounce for 200 feet of drill; 5 to 6 pounds for an acre.

**CULTURE.** Sow as early in the spring as the ground can be worked, in drills 18 inches apart. Only rich soil should be used and the ground should be thoroughly and deeply cultivated before sowing seed. Thin to 6 or 8 inches apart in the rows. Hoe and cultivate frequently to keep the weeds down.

**Improved Hollow Crown.** The best variety for market or home garden. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 75c.

**Improved Guernsey.** Roots not so long as Hollow Crown, but of greater diameter and more easily gathered. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.



Hollow Crown Parsnips



Ruby King Pepper

# PEPPER

One ounce will produce 1,500 plants.

**Sweet Bell or Bull Nose.** Early and productive, remaining green a long time. Pkt. 5c; ½ oz. 20c; oz. 30c; ¼ lb. 85c; lb. \$2.40.

**Chinese Giant, Selected.** The largest of all. Pkt. 5c; ½ oz. 35c; oz. 50c; ¼ lb. \$1.75; lb. \$5.25.

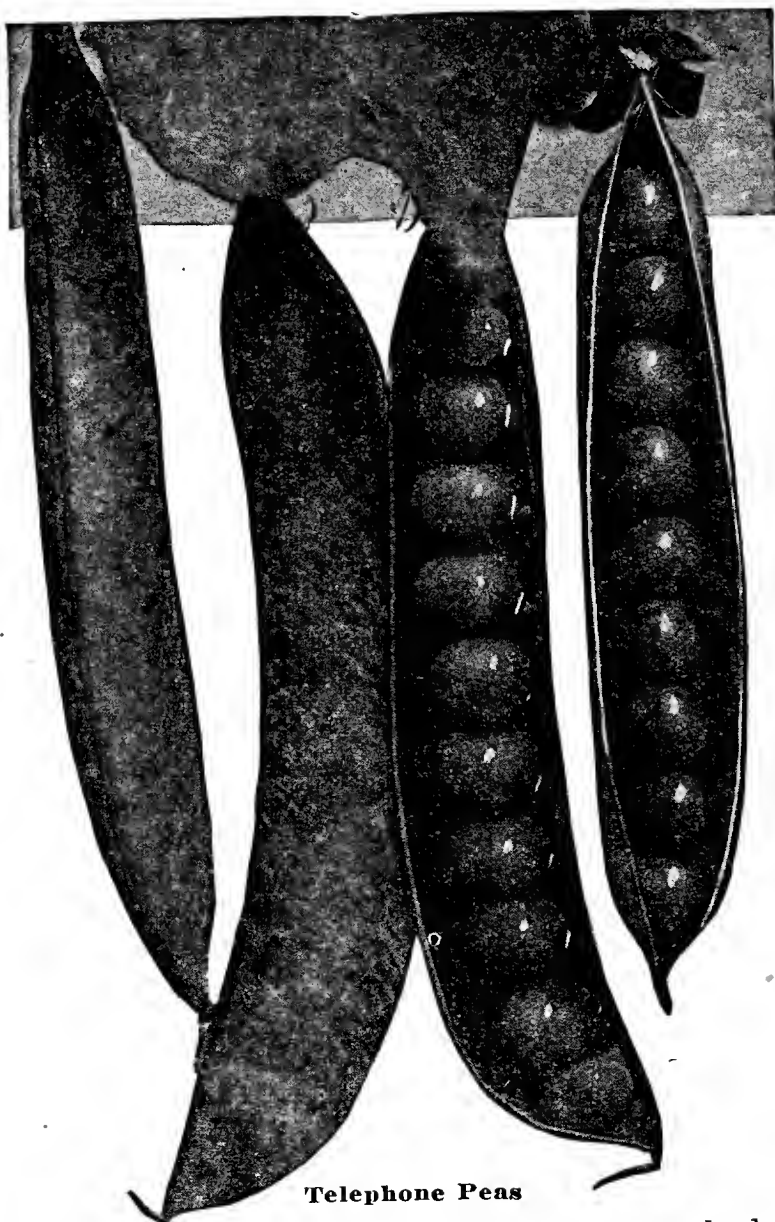
**Long Slim Red Cayenne.** Bright red. Pkt. 5c; ½ oz. 25c; oz. 45c; ¼ lb. \$1.35; lb. \$4.00.

**Ruby King.** Popular for stuffing. Pkt. 5c; ½ oz. 20c; oz. 30c; ¼ lb. 85c; lb. \$2.40.

**Ruby Giant.** Somewhat larger than Ruby King. Pkt. 5c; ½ oz. 20c; oz. 30c; ¼ lb. 85c; lb. \$2.40.

**Pimento.** Used for pickling and salads. Pkt. 5c; ½ oz. 20c; oz. 30c; ¼ lb. 85c; lb. \$2.40.

**Red Chili.** Used in making chili. Pkt. 5c; ½ oz. 35c; oz. 50c; ¼ lb. \$1.50; lb. \$4.50.



Telephone Peas

## PEAS

One pound will plant 100 feet of drill; 60 pounds to acre.

**CULTURE.** Peas are among the first seeds that are planted in spring and need rich, well-manured soil. Sow in drills 3 feet apart and repeat until the first of July, with the exception of our Extra Early, which can be sown as late as August, on account of its early ripening and mildew resistance. The number of Peas may vary from 10 to the foot for the dwarf varieties to 8 to the foot of the medium tall and 6 to the foot of the very tall kinds.

**American Wonder.** 1 ft. Matures in 50 days. Bears its crop quickly and is out of the way for other crops on same ground. Pkt. 5c; ¼ lb. 10c; ½ lb. 15c; 1 lb. 25c; 2 lbs. 45c.

**Dwarf Telephone.** 2½ ft. Pods larger than Am. Wonder. Well flavored and productive. Pkt. 5c; ¼ lb. 10c; ½ lb. 15c; 1 lb. 25c; 2 lbs. 45c.

**Telephone (Pole).** 3½ ft. Best of the pole varieties. Pkt. 5c; ¼ lb. 10c; ½ lb. 15c; 1 lb. 25c; 2 lbs. 45c.

**Yorkshire Hero.** 2½ ft. Hardy kind of good flavor. Pkt. 5c; ¼ lb. 10c; ½ lb. 15c; 1 lb. 25c; 2 lbs. 45c.

**Champion of England.** 3 ft. Considered standard for summer use. Everbearing in nature. Pkt. 5c; ¼ lb. 10c; ½ lb. 15c; 1 lb. 25c; 2 lbs. 45c.

**Gray Sugar (Edible pods).** Growing in popularity. Pkt. 5c; ¼ lb. 10c; ½ lb. 20c; 1 lb. 35c; 2 lbs. 65c.

**Blue Bantam.** Early and dwarf. Very sweet. Pkt. 5c; ¼ lb. 10c; ½ lb. 15c; 1 lb. 25c; 2 lbs. 45c.

**Gradus, or Prosperity.** 3 ft. Early as any standard sort and one of the best early kinds. Pkt. 5c; ¼ lb. 10c; ½ lb. 15c; 1 lb. 25c; 2 lbs. 45c.

**Premium Gem.** Peas small and sweet, pods well filled. Pkt. 5c; ¼ lb. 10c; ½ lb. 15c; 1 lb. 25c; 2 lbs. 45c.

**Alaska.** 2½ ft. Earliest of all, though not so sweet. Truckers plant February 22nd if ground can be worked. Pkt. 5c; ¼ lb. 10c; ½ lb. 15c; 1 lb. 25c; 2 lbs. 40c.

**First and Best.** 2½ ft. Good canning variety. Pkt. 5c; ¼ lb. 10c; ½ lb. 15c; 1 lb. 25c; 2 lbs. 45c.

**Bliss Everbearing.** 3 ft. One of the most prolific. Peas very large and wrinkled. Pkt. 5c; ¼ lb. 10c; ½ lb. 15c; 1 lb. 25c; 2 lbs. 45c.

**Laxtonian.** 2 ft. Almost as early as the earliest. Very heavy cropper and a general favorite. Pkt. 5c; ¼ lb. 10c; ½ lb. 15c; 1 lb. 25c; 2 lbs. 45c.

**Stratagem (Improved).** Middle crop sort. Good sized pods borne in abundance. Pkt. 5c; ¼ lb. 10c; ½ lb. 15c; 1 lb. 25c; 2 lbs. 45c.

## POTATOES

**CULTURE.** Figure 1 pound to 7 hills. Space rows 3 ft. apart. 500 lbs. to the acre. Plant as soon as danger of killing frost is over. Be sure ground is well worked up to a good depth and fertilize with bone meal. Be sure to cut so as to leave one or two good eyes to each piece. DO NOT PLANT TOO DEEP IF SOIL IS HEAVY. Five inches is plenty.

**Varieties.** We recommend Early Ohio, Burbank or Peach Blow for light, sandy soil and IRISH COBBLER for heavy or clay soil. This latter variety has repeatedly proved itself the only consistent producer in heavy soil. 3 lbs. 25c; 10 lbs. 50c; 25 lbs. \$1.25. Add 5c lb. for postage. Quantity prices on application.

## PUMPKINS

One ounce will plant 15 hills; 2 quarts to acre.

**CULTURE.** Sow in May, when the ground is warm, in hills 8x8. Can also be grown with corn, every fourth hill of every fourth row. The common practice is to drop two or three seeds in every third or fourth hill in the cornfield. If cultivated in 8x8 hills use four plants to each hill.

**Connecticut Field.** Best variety for Colorado. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

**Kentucky Field.** Large variety similar to above. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 70c.

**Mammoth Tours.** French variety of great size. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 90c.

**Small Sugar.** Finer grained and best for table use. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 80c.





Iceberg Radishes

## RADISH

One ounce to 100 feet  
of Row

**CULTURE.** The soil for radishes should be very rich, light and mellow, well broken by digging, as their tender and mild qualities depend much upon their rapid growth. For very early use, sow in gentle hotbeds in February, and in open air as soon as the ground can be worked, at intervals of ten or twelve days, for a succession as long as they may be wanted. The winter varieties should be sown in August, lifted before severe frost, and stored in the cellar.

Sow in drills 1 foot apart and cover lightly; thin out while small to 3 inches apart. Hoe often.

**Vick's Early Scarlet Globe.** One of the best both for forcing as well as open culture. Early, crisp and tender. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 85c.

**French Breakfast.** Pink with white tip. Olive shaped. One of the earliest and best. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 75c.

**Rosy Gem.** Round, red with white tip. Very early. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 75c.

**Sparkler.** Similar to above except that it gets larger. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 75c.

**Iceberg.** The king of all long radishes. Always tender, crisp and mild. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 75c.

**Simpson's Glass.** Long, light pink type with transparent white flesh. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 75c.

**Long Brightest Scarlet.** The handsomest radish grown. Scarlet above and white below. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 75c.

**China Rose Winter.** Flesh firm and white; will keep all winter. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 75c.

**Long Black Spanish Winter.** Black skinned with white flesh. Gets to enormous size. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 75c.

**Round Black Spanish.** Globe shaped roots with black skin. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 75c.

## RHUBARB or PIE PLANT

**Linneus Giant.** For market gardeners the best. Pkt. 5c; oz. 15c; ¼ lb. 45c; 1 lb. \$1.40.

**Strawberry.** By far the sweetest, though small in size. Pkt. 5c; oz. 15c; ¼ lb. 45c; 1 lb. \$1.40.

**Rhubarb Roots, 3 for 25c. 75c doz. 100 for \$5.00. Postpaid.**

## SALSIFY or OYSTER PLANT

**CULTURE.** The oyster plant succeeds best in some light, well-enriched soil which previous to sowing the seeds should be stirred to the depth of 18 inches. Sow early in the spring in drills 15 inches apart; cover the seeds with fine soil 1 inch deep. One ounce for 60 feet of drill; 7 pounds to one acre.

**Mammoth Sandwich Island.** This splendid variety grows to fully double the size of the old sort; is of superior quality and delicate flavor. The Oyster Plant is one of the most nutritious and delicious vegetables and should be more generally cultivated for winter use when the supply of really good vegetables is limited. No market gardener should fail to grow it. It is a paying proposition. Pkt. 5c; oz. 20c; ¼ lb. 60c; 1 lb. \$1.75.

## SPINACH

One ounce will sow 50 feet of drill; 12 to 16 pounds to acre.

**CULTURE.** This is a very important crop in our market gardens, and is one of the most easily managed of all vegetables, requiring but little culture, and may be had fit for use the entire season. The main crop is sown in September. It is sometimes covered up in exposed places with straw or salt hay during winter, which prevents it from being cut by frost; but in sheltered fields there is no necessity for covering. For summer use it may be sown at intervals of two to three weeks from April to August. Spinach is best developed and most tender and succulent when grown in rich soil.

**Long Standing.** The best for spring sowing. Stands a long time before shooting to seed. Large thick leaves, excellent for greens. Pkt. 5c; oz. 10c; ¼ lb. 15c; 1 lb. 40c.

**New Zealand.** Makes a luxuriant growth all summer. In appearance entirely distinct from other spinach. Its quality is very desirable and tender. Soak the seed in warm water before planting. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 55c.

**Round Summer.** This variety is generally preferred for early growing and is popular with market gardeners. Leaves thick and fleshy. Not quite as hardy as the prickly, but stands winter well. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 60c.

**Monstrous Leaved Viroflay.** Quick, strong growth; much used by New York truckers. Pkt. 5c; oz. 10c; ¼ lb. 15c; 1 lb. 40c.

# SQUASH

One ounce will plant 30 hills; 3 to 4 pounds an acre.

**CULTURE.** The plants are very tender and sensitive to cold, and planting must be delayed until settled, warm weather. The general principles of culture are the same as those given for cucumbers and melons, but the plants are less particular as to soil. The summer varieties should be planted 4 feet apart each way and the winter sorts 8 feet. Three plants are sufficient for a hill. Care should be taken not to break the stems from the squashes intended for winter use, as the slightest injury will increase the liability to decay.



Golden Summer Crook Neck

## Summer Varieties

**Early White Bush.** This is the well known White Patty-pan Squash. The earliest to mature, very productive; light cream colored. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.

**Golden Summer Crook Neck.** Very early and productive. Fruit about 1 foot long, with crooked neck and warty surface; color bright yellow. Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. \$1.00.

**Glant Crook Neck.** This strain is a great improvement on the old variety of Crook Neck. It is larger and better in every way. Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. \$1.00.

**Yellow Summer Straight Neck.** Similar in all ways to the Crook Neck except that it grows straight. Packs better. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. 90c.

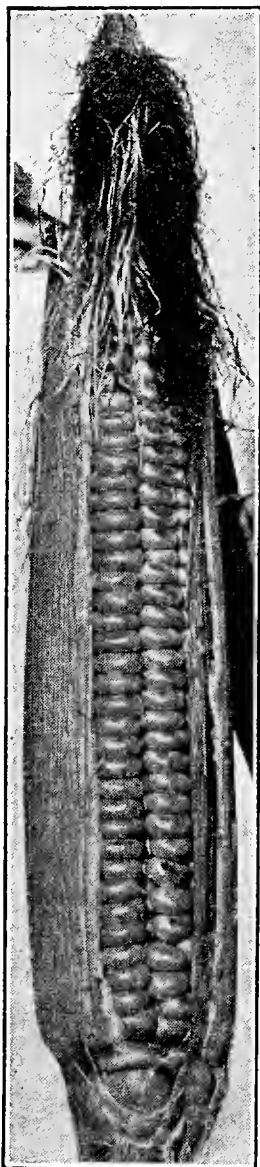
## Winter Varieties

**Table Queen or Acorn.** A deep green winter sort, just the right size to halve and bake and serve as individual helping. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.10.

**Warty Hubbard.** Best shipper and best keeper. Shell is hard and warted. Dark olive green. Pkt. 5c; oz. 15c; ¼ lb. 40c; ½ lb. 75c; lb. \$1.15.

**Golden Hubbard.** Somewhat smaller than the above, a trifle earlier but not so good a keeper. Pkt. 5c; oz. 15c; ¼ lb. 40c; ½ lb. 75c; lb. \$1.15.

**Boston Marrow.** Orange color with distinct flavor. Pkt. 5c; oz. 10c; ¼ lb. 25c; ½ lb. 45c; lb. 80c.



Golden Bantam

# SWEET CORN

One pound will plant about 180 hills; 10 to 12 pounds to an acre, in hills.

**CULTURE.** Sweet Corn should not be planted very early in the season; the soil must be warm and should be a rich loam. If planted too early the seed is apt to rot. Sweet Corn will not make any progress until the weather is warm. If possible select a sheltered location for the very early kinds. A succession can be continued with the later kinds by planting at regular intervals from June to middle of August, thus insuring a continuous supply of table corn throughout the summer and fall months. Plant the small early varieties in drills 2½ feet apart and 10 inches apart in the rows. The taller varieties should be planted in drills 3 feet apart and 12 to 14 inches apart in the rows. Rich manure worked into the soil will increase the crop.

## Write for Quantity Prices.

**Golden Bantam.** The First Early Sweet Corn. Rich and delicious flavor. Pkt. 5c; ¼ lb. 10c; ½ lb. 15c; lb. 20c; 5 lbs. 90c.

**Mayflower.** One of the very earliest white Sweet Corns with regular sized cobs. Highly recommended. Pkt. 5c; ¼ lb. 10c; ½ lb. 15c; lb. 25c; 5 lbs. \$1.00.

**Country Gentleman.** "Shoe Peg." Grains not in rows on the cob. Very fine flavor. Pkt. 5c; ¼ lb. 10c; ½ lb. 15c; lb. 25c; 5 lbs. \$1.00.

**Early Evergreen.** Has all the good qualities of Stowell's Evergreen and matures earlier. Pkt. 5c; ¼ lb. 10c; ½ lb. 15c; lb. 25c; 5 lbs. \$1.00.

**Howling Mob.** Produces two splendid ears to the stalk. Early, sweet and of good size. Pkt. 5c; ¼ lb. 10c; ½ lb. 15c; lb. 25c; 5 lbs. \$1.00.

**Stowell's Evergreen.** One of the very best late varieties. Planted with medium early variety, will furnish succession of corn until frost. Pkt. 5c; ¼ lb. 10c; ½ lb. 15c; lb. 25c; 5 lbs. \$1.00.

**Extra Early Minnesota.** Early and large. Stalks not very tall. Pkt. 5c; ¼ lb. 10c; ½ lb. 15c; lb. 25c; 5 lbs. \$1.00.

**Peep-O-Day.** Early as Golden Bantam. Ears average about 6 inches in length. Sweet and juicy. Pkt. 5c; ¼ lb. 10c; ½ lb. 15c; lb. 25c; 5 lbs. \$1.00.

**Black Mexican.** Highly favored in some sections. Ears size of G. Bantam, grains black when ripe and of a peculiarly delicious flavor. Pkt. 5c; ¼ lb. 10c; ½ lb. 15c; lb. 25c; 5 lbs. \$1.15.

# POPCORN

**Glant Spanish.** Favorite with many. Large ears and large grains, popping quickly and very crisp. Yields more to acre than any other popcorn. Pkt. 5c; ½ lb. 10c; lb. 15c; 5 lbs. 60c.

**White Rice.** Grains small and pointed. Some claim it to be more crisp than other kinds. Pkt. 5c; ½ lb. 10c; lb. 15c; 5 lbs. 75c.



# SWISS CHARD

Under Beets, page 8.

## TOMATOES

One ounce of seed will produce from 3,000 to 4,000 plants.

**CULTURE.** Sow seed in a box or hotbed early and transplant at least once to get a strong root growth. When danger of frost is over set in open ground 3 to 5 feet apart each way and cultivate thoroughly. Fruit may be had several days earlier by transplanting into small pots and then setting out the entire contents as soon as ground is warm. The varieties of Tomatoes described in this seed book comprise the very best kinds known to the trade and none are included that do not possess some merit.

**Marglobe.** Certified. A new, bright red; round, and large. One of the favorites on the market. Pkt. 5c; oz. 35c;  $\frac{1}{4}$  lb. \$1.00.

**Ponderosa.** Dwarf beefsteak variety, pleasing dark red. Pkt. 5c; oz. 50c;  $\frac{1}{4}$  lb. \$1.25.

**Chalk's Early Jewel.** Round, bright red, and meaty. Very early. Pkt. 5c; oz. 30c;  $\frac{1}{4}$  lb. 85c.

**John Baer.** One of the best early scarlet, heavy bearers. Pkt. 5c; oz. 30c;  $\frac{1}{4}$  lb. 85c.

**Earliana.** Medium sized, early red. Pkt. 5c; oz. 35c;  $\frac{1}{4}$  lb. 85c.

**June Pink.** An early pink variety that bears heavily. Pkt. 5c; oz. 30c;  $\frac{1}{4}$  lb. \$1.00.

**Dwarf Champion.** (Tree variety.) Sturdy stems bearing many medium sized purplish-red fruits. Pkt. 5c; oz. 35c;  $\frac{1}{4}$  lb. \$1.00.

**Early Detroit.** A second early, globe shaped, smooth variety. Purplish-red. Pkt. 5c; oz. 40c;  $\frac{1}{4}$  lb. \$1.15.

### Small Fruited Varieties

**Red Pear, Yellow Pear and Yellow Plum.** Pkt. 5c; oz. 50c;  $\frac{1}{4}$  lb. \$1.25.

**Husk or Ground Cherry.** Pkt. 5c; oz. 50c;  $\frac{1}{4}$  lb. \$1.25.



Livingston's Beauty

## TURNIPS

One ounce will sow 150 feet of drill; 2 lbs. will sow an acre.

**CULTURE.** For early use, sow as soon as the ground can be worked in spring in drills 15 inches apart and thin to 8 inches apart as soon as the plants are large enough to handle. For succession, sow at intervals of a fortnight until the last week of July, from which time until the end of August sowings may be made for main and late crops. The sowings should be made just before rain if possible, a rapid growth being important.



Purple Top Strap Leaf Turnip

**Early White Egg.** General favorite. Flesh is white, firm and mild without the pungent taste. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c;  $\frac{1}{2}$  lb. 40c; lb. 65c.

**Purple Top Strap Leaf.** Best flat type for fall planting. Excellent for stock or table. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c;  $\frac{1}{2}$  lb. 40c; lb. 65c.

**Early White Flat Dutch.** Good quality. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c;  $\frac{1}{2}$  lb. 40c; lb. 65c.

**Purple Top Globe.** Larger than White Egg. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c;  $\frac{1}{2}$  lb. 40c; lb. 65c.

**Yellow Aberdeen.** Especially good for feeding. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c;  $\frac{1}{2}$  lb. 40c; lb. 65c.

## RUTABAGAS

**Improved Purple Top.** Perfect keeper, large, solid and sweet. An old-time favorite never improved upon. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c;  $\frac{1}{2}$  lb. 40c; lb. 65c.

# Save Money by "Growing Your Own"

## Simpson's "Trial Garden" Collection of Vegetable Seeds for the Small Back Yard Garden

An ample supply of easily grown, crisp, juicy vegetables for a family of 3, or 4 persons, for only 75c postpaid.

Half pound Stringless Green Pod Beans, ½ pound Dwarf Telephone Peas, 1 ounce package of each of the following: Icicle Radish, Leaf Lettuce, Red Beets, Carrots, Parsnips, Spinach, and Turnips, 1 quart Onion Sets.

**TOTAL VALUE, \$1.25. This lot furnished complete for only 75c postpaid.**

## Simpson's "Life Saver" Collection of Vegetable Seeds to Supply a Good Sized Family With Fresh Vegetables All Summer, With a Reserve Supply of Root Crops for the Winter.

Half pound Kentucky Wonder Pole Beans, 1 pound Stringless Green Pod Beans, 1 pound Early Gradus Peas, 1 pound Dwarf Telephone Midseason Peas, 1 ounce each of Icicle Radish, Leaf Lettuce, Red Beets, Carrots, Parsnips, Spinach, and Turnips.

**\$2.05 VALUE, ALL FOR \$1.40 POSTPAID**

## SELECTED FIELD SEEDS

So far as possible we supply re-cleaned, registered, blue tag seed, grown by Colorado farmers, under supervision of the Colorado Agricultural College.

### FOR WESTERN PLANTERS—Not Postpaid.

Alfalfa, Domestic. Lb. 25c; 10 lbs. \$2.25; 25 to 50 lb. lots 20c lb.  
Alfalfa, Grimm. Blue tag, certified. Lb. 40c; 10 lbs. \$3.75; 25 to 50 lb. lots 35c lb.  
Brome Grass. Lb. 30c; 10 lb. \$2.25; 25 to 50 lb. lots 20c lb.  
Orchard Grass. Lb. 25c; 10 lbs. \$2.25; 25 to 50 lb. lots 20c lb.  
Sudan Grass. Prices quoted on request.  
Timothy. Lb. 15c; 10 lbs. \$1.35; 25 to 50 lb. lots 12½c lb.  
Sweet Clover. Either White or Yellow Blossom. Lb. 15c; 10 lbs. \$1.25.

### FIELD CORN

Minnesota No. 13. Lb. 10c; 10 lbs. 50c; 25 to 50 lb. lots 4c lb.  
Colorado Yellow Dent. Lb. 10c; 10 lbs. 55c; 25 to 50 lb. lots 4½c lb.  
Iowa Silvermine. Lb. 10c; 10 lbs. 55c; 25 to 50 lb. lots 4½c lb.

### SORGHUMS AND FODDER PLANTS

Cane, Black Amber. Lb. 10c; 10 lbs. 55c; 25 lbs. or more at lowest market price.  
Kaffir Corn. Lb. 10c; 10 lbs. 50c; 25 lbs. or more at lowest market price.  
Milo Maize. Lb. 10c; 10 lbs. 50c; 25 lbs. or more at lowest market price.  
Millet, Manitoba or Hog. Lb. 5c; 10 lbs. 25c; 25 to 50 lb. lots \$2.25 cwt.  
Millet, Siberian. Lb. 5c; 10 lbs. 30c; 25 to 50 lbs. \$2.75 cwt.



### FIELD GRAINS

Barley, Colless. Lb. 5c; 10 lbs. 40c; 25 to 50 lbs. \$2.25 cwt.  
Flax, Recleaned. Lb. 15c; 10 lbs. \$1.00; 25 to 50 lb. lots 8c lb.  
Oats, Victory, Registered. Lb. 6c; 10 lbs. 45c; 25 to 50 lb. lots \$2.75 cwt.  
Oats, Swedish Select. Lb. 6c; 10 lbs. 45c; 25 to 50 lbs. \$2.75 cwt.  
Speltz. Lb. 10c; 10 lbs. 55c; 25 to 50 lb. lots 5c lb.  
Spring Rye. Lb. 5c; 10 lbs. 35c; 25 to 50 lbs. \$2.50 cwt.  
Fall Rye. Lb. 5c; 10 lbs. 35c; 25 to 50 lb. lots \$2.50 cwt.

### MISCELLANEOUS

Beans, Pinto. Lb. 10c; 10 lbs. 60c; 25 to 50 lb. lots at 5c lb.  
Peas, Stock. Lb. 10c; 10 lbs. 75c; 25 to 50 lb. lots 6c lb.  
Pop Corn, White Rice. Lb. 15c; 10 lbs. 75c; 25 to 50 lb. lots 6c lb.  
Pop Corn, Spanish. Lb. 15c; 10 lbs. 75c; 25 to 50 lb. lots 6c lb.  
Peanuts, Spanish. Lb. 35c; 10 lbs. \$3.00.  
Sunflower, Giant Russian. Lb. 15c; 10 lbs. \$1.00.

### SUGAR AND STOCK BEETS

Giant Half Sugar. Golden Tankard. Mammoth Red. Wanzleben. Any of above: oz. 10c; ¼ lb. 20c; lb. 60c; 5 lbs. \$2.50.

# HARDY PERENNIAL PLANTS

THOSE MARKED \* ARE SUITABLE FOR ROCK GARDENS

Each 20c; Doz. \$2.00; unless otherwise noted. We pay postage on all perennials

\***Achillea** (Yarrow or Milfoil). Desirable garden subjects for any soil. Good for cut flowers. Finely cut foliage, frequently silvery. **Millefolium roseum**. 1½ feet, summer, rosy pink.

**Anchusa** (Summer Forget-Me-Not). Fine, tall blue flowers for massing. Moisture lover.

\***Aquilegia Coerulea**. True Rocky Mountain Columbine. Large roots. 25c each.

(Hardy Aster) **Michaelmas Daisy**. A fine perennial for tall borders or mass effects, very hardy and blooms well in almost any location. Named varieties in white, cream, pink, light blue, lavender and purple.

**Bellis** (English Daisy). Very popular, low growing, six to eight inches. Blooms very double and full, something like a small Aster. Basket of 6 to 8 plants, 40c.

**Bleeding Heart**. Scarce for three or four years, but we have a fair supply. 60c each.

**Buddleya** (Summer Lilac). A half hardy shrub freezing down to the root in the fall like the Shasta Daisy. Very attractive lavender colored blooms, fine for cutting. 35c each.

**Campanula** (Bell Flower). These come in great variety in height from 18 to 48 inches and colors from white through the shades of blue to deep violet. This family also includes the well known Canterbury Bell. 25c each; \$2.50 per doz.

**Centaurea** (Hardy Corn Flower). A graceful and attractive plant. Height two to three feet. Valuable for cuts, as it has a



**Delphinium**

good stem. Colors: white, yellow, red and rosy purple.

**Chrysanthemum**. Handsome and vigorous. Height about twenty-four inches. Fine for borders. We carry named varieties in many shades and colors.

**Coreopsis**. Good for cut flowers and continues in bloom through the entire season.

**Delphinium**. Larkspur, Belladonna. Light blue. Bellamosum, dark blue.

**Dianthus** (Pinks). Another large and valuable group. Some for borders, others suitable for rock gardens. All members of this family are hardy and will thrive in either heavy or sandy soils. Colors: White, light or deep pink, red and mauve. They are all-season bloomers.

**Digitalis**. Foxglove. An old-time favorite.

**Gaillardia**. Begins to flower in June.

\***Geranium** (Cranesbill). Easily grown plants giving masses of small, showy flowers and good foliage. Most of them have a magenta tinge. 25c each; \$2.50 per dozen.

\***Geum**. A good border subject, attractive foliage, bright scarlet flower. 25c each; \$2.50 per dozen.

**Goldenrod**. Needs no description. Strong roots.

**Golden Glow**. Strong roots.

**Gypsophila** (Baby's Breath). **Paniculata**, single, 20c each. Double, grafted roots, 50c each, \$5.00 doz. **Bristol Fairy**, early and very large. Not as good for drying as the **Paniculata** or **Double Blossom**. 60c each, \$6.00 doz.



**Aquilegia Coerulea**

**Helianthus** (Hardy Sunflower). One of the most valuable tall borders. It is a hardy, vigorous grower with good foliage, flowers in this country in August and September. Color: Golden yellow.

**Hemerocallis**. Lemon Lily. Very satisfactory and pretty. Flowers are bell shaped of clear lemon yellow.

**Hibiscus** (Crimson Eye). Immense white flower with crimson eye. 25c each.

**Hollyhocks**. Double only. Can furnish in separate colors as follows: Buff, white, yellow, maroon, red, pink, blush, black.

**Iberis** (Hardy Candytuft). Grows low with beautiful foliage, fine for rock work or low borders.

**\*Iris**. Germanica. Excellent for borders. Can supply in colors as follows: Blue, cream, purple, bronze, lavender, orange, yellow, pink.

**Iris Dalmatica**. The finest of all Iris. Grows to four feet, producing massive flowers of rich lavender. Very fragrant.

**Lathyrus Latifolius** (Everlasting Pea). A desirable, hardy climber, much like the annual sweet pea. Six feet, July, white, pink, red.

**\*Linum** (Flax). A desirable border plant having light, graceful foliage and bearing flowers all summer.

**\*Alpinum**. 1 to 1½ feet, June to July, blue.

**\*Arboreum**. 1 foot, May, yellow.

**Lupinus**. Somewhat resembles the larkspur but has a greater variety of colors and is fragrant. We have it in white, yellow and lavender-blue. 25c each; \$2.50 per doz.

**Oriental Poppy**. The largest poppy, often nine or ten inches across when open. Color is a rich, fiery red. Perfectly hardy.

**Pentstemon**. A rather low border that is hard to beat, the blooms rise above a beautiful mat of variegated foliage.

**Hardy Phlox Special Collection**. Crimson, white, white with red eye, pink, lavender, orange, purple.



**Hardy Phlox**

**Platycodon** (Chinese Bell Flower). Attractive border plant with peculiar shaped blue flower. Blooms in July and likes lots of sun. 25c each; \$2.50 per doz.

**Pyrethrum** (Persian Daisy). A fine perennial, greatly improved of late. Prefers a rather open location, grows two to four feet, flowers are of Daisy type in a good variety of colors.

**\*Ranunculus** (Buttercups). Deep green foliage, small, bright yellow flowers in clusters. A good border plant. No particular soil needed.

**Salvia** (Meadow Sage). A group of plants giving exceptionally fine spikes of small, graceful blue flowers. Do well anywhere in the border.

**Scabiosa** (Blue Bonnet). Good border plants. Fine blue flowers on long stems, good for cutting. Any well drained soil and a sunny place needed.

**Shasta Daisy** (Alaska). Immense white flowers with yellow center.

**Statice** (Lavender Baby's Breath). Produces a profusion of tiny lavender colored blooms in clusters or sprays useful for blending with other flowers. Can be cut when in full bloom and dried for winter use.

**Sweet William**. Flowers in clusters like phlox.

**Tritoma** (Red Hot Poker). One of the most attractive perennials. If you want a bed of flaming color that will last through the summer this is the one to use. A little more expensive to start than annuals but cheaper in the long run. Colors: White, yellow and orange red. 35c each; \$3.50 per doz.

**Veronica** (Speedwell). Some of the best garden subjects are found here. A fine range of blue spikes with attractive grayish foliage. Will do finely in any good rich soil in full sun.



**Lupinus**



# PEONIES

We quote on good strong roots that are sure to bloom. Free cultural leaflet on request. ALL POSTPAID

**Baroness Schroeder.** Delicate flesh, changing to white. Flowers very large. An extra fine peony. \$1.00 each.

**Duke of Wellington.** Ivory white with creamy white center. Very large. 50c each.

**Festiva Maxima.** A rare variety of great beauty. Exceedingly showy and of large size. Pure snowy white, flaked with small crimson spots at center. Finest white in cultivation. 50c each.

**Felix Crousse.** The well known brilliant dark red. The leader among reds. \$1.00 each.

**Grandiflora Alba.** Pure white. Valuable not only as a late bloomer, but as an excellent one for cutting. 50c each.

**Golden Harvest.** Blush guard petals; center petals narrow, showing yellow stamens. 50c each.

**Karl Rosenfield.** Rich, velvety crimson. Large globular flowers. A popular red. \$1.00 each.

**Lady Lenora Bramwell.** Very large and sweet. Silver rose. 50c each.

**Lafayette.** Deep rose. Flowers very large. One of the best of the new deep varieties. Stock scarce. \$1.00 each.

**Mad. Breon.** Flesh and lemon, changing to white. 50c each.

**Model de Perfection.** Silver pink. Large and sweet. 50c each.



**Festive Maxima Peony**

**Officinals Rubra.** (Old Red.) Flowers of a bright crimson, quite double and globular. Very early and fine. Two-year-old clumps. \$1.00 each.

**Princess Beatrice.** Pink guard petals, center creamy pink. Late bloomer. 50c each.

**President Taft** (Reine Hortense). Among the best of all peonies. Large full flower, delightfully fragrant. Color a delicate shell pink. A vigorous free bloomer. \$1.00 each.

**Rosea Superba.** Fine, full rosy pink. Extra choice flowers. Very free and early bloomer. 50c each.

**Unnamed Varieties** in Pink, Red and White. 35c or one of each for \$1.00.



**Iris**

## SPLENDID VARIETIES OF IRIS

Healthy stock, grown in sunny Colorado, the ideal Iris climate. Standard divisions, all guaranteed true to name. All Irises priced prepaid anywhere in U. S.

**Ambassadeur.** A remarkable French variety that will eventually be in the collection of every Iris lover. Standards bronzy-violet. Falls rich velvety red-violet. Each 25c.

**Black Prince.** The true Perry origination. Standards intense violet-blue. Falls black-purple, suggesting that rich velvety texture of the famous Dominion Iris. Each 25c.

**Dream.** Standards and falls both lilac to Chinese violet. Classed as pink, and one of the finest in this color class. A sure enough lovely dream. Each 25c.

**Isolene.** Standards lovely rose-pink. Falls purplish-old rose with golden throat. Each 15c.

**Lent A. Williamson.** Very large flowers on tall, strong stems. Standards lavender-violet. Falls velvety violet-purple. The whole flower is suffused yellow, more heavily towards the center. A massive Iris, vigorous in growth and a beauty. Each 15c.

**Mother of Pearl.** Both standards and falls iridescent shades of mother of pearl. Good large flowers on tall stems. Each 25c.

**Oriflamme.** An enormous-flowered French Iris of most pleasant color combination. Standards dark lavender. Falls hortense-violet. Edges of the sweetly scented blooms are daintily waved or crimped like a Spencer Sweet Pea. Each 10c.

**White Knight.** Strong growing plant with pure white blossoms. Each 10c.

**Special IRIS Collection—12 Unnamed Varieties for 75c.** This might be called the beginner's collection. It is offered to illustrate the value of some of the new kinds.

## Choice Hardy Lilies

**Auratum.** "Gold Banded Lily of Japan." Our customers have repeatedly written us praising our stock of these Japanese Lilies. They are perfectly hardy and will increase in number from year to year. 40c each; \$4.00 per dozen.

**Rubrum.** "Crimson Lily of Japan." 40c each; \$4.00 per dozen.

**Regale.** "Most beautiful of all Hardy Lilies." White, with yellow throat. 40c each; \$4.50 per dozen.

**Tiger Lilies.** Double. Immense clusters of orange-red flowers. Hardy and easily grown. 15c each; 2 for 25c; \$1.50 dozen.

# SUMMER FLOWERING BULBS

THESE PRICES ARE PREPAID

Every yard or garden should have a bed or two of these bulbs. We list only proven items that you can count on to produce satisfactory plants and blooms.

## Magnificent Selected Gladiolus

Prices Quoted Are for Large Bulbs, Postpaid

One of the easiest bulbs to grow and at the same time one of the most satisfactory from every standpoint. They enrich your whole garden with a wealth of color that is not possible from other sources. They practically take care of themselves and multiply generously. If cut when the first one or two blooms open, they will keep for a full week and even the small buds will develop and open.

Planted in groups or rows they furnish a flare of color that can be seen from a great distance. Planted singly or by twos and threes with other shrubbery they blend in with anything you may have. When successive plantings are made about three weeks apart blooms may be had from early July until well into November.

Gladiolus bulbs may be had in literally thousands of different named varieties. We are listing what we consider the cream of the good, medium priced ones, but will be glad to quote on any others that you may desire.

All of the following varieties, 5c each; 12 for 50c; 25 for \$1.10; 50 for \$1.90; 100 for \$3.25.

**America.** A large light pink.

**Baron J. Hulot.** The best purple.

**Chicago White.** One of the earliest pure whites.

**Golden Measure.** The best large, deep golden yellow.

**Halley.** Deep salmon-pink, with creamy blotch and red stripe.

**Herada.** Large pure mauve, with deeper markings in throat.

**Joe Coleman.** Large, rich red.

**Los Angeles.** Shrimp pink with orange carmine throat. When first bloom is cut, it will produce another.

**Mrs. Francis King.** Brilliant vermilion scarlet. One of the best.

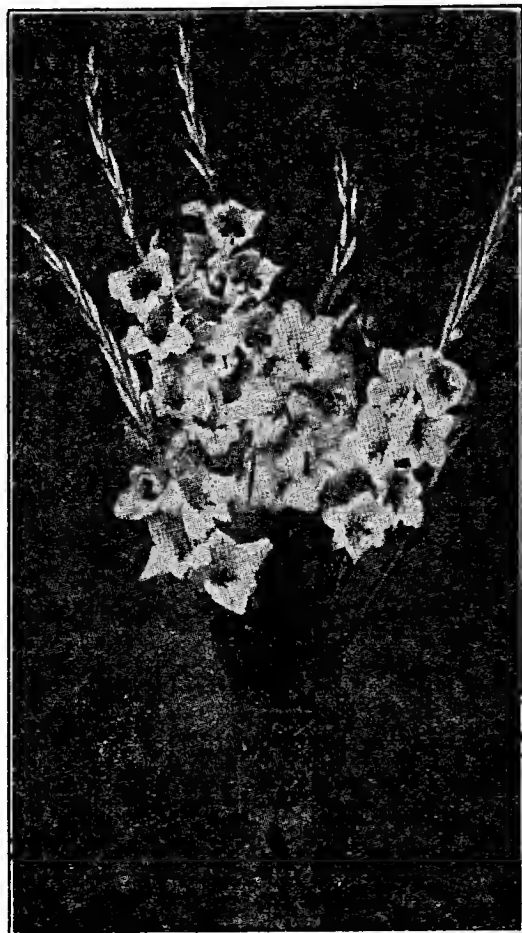
**Mrs. Frank Pendleton.** Salmon pink with rich maroon blotch.

**Peace.** Very large white, with violet feathering.

**Prince of Wales.** An unusual coral pink.

**E. J. Shaylor.** A deep rose pink with darker throat.

**Virginia.** An intense scarlet red.



## Surprise Gladiolus Mixture

The best assortment we know how to put up. 12 large bulbs for 35c; 25 for 60c; 100 for \$2.50; 1,000 for \$20.00, postpaid.

## Lily-of-the-Valley

A shady corner is the place for these beauties. The flower is justly famed and will grow in almost any soil, though doing best in a sandy loam. Dozen 75c; 100 for \$5.00.

## Caladiums or Elephant's Ears

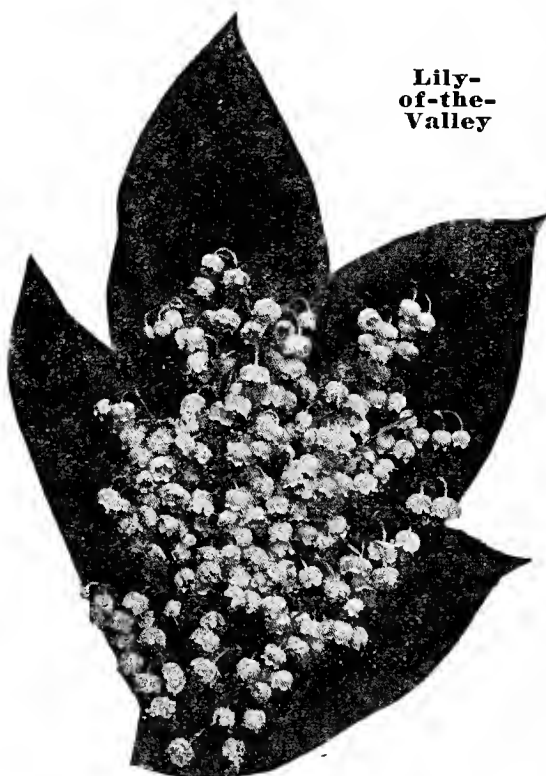
Medium sized bulbs, 15c each; 4 for 50c; Giant bulbs 25c each; 5 for \$1.00. To make the best growth they must have plenty of water. In planting make a circular trench about the plants to hold water. We have seen plants with leaves 2½ feet wide.

## Calla Lilies

**Yellow.** 20c to 25c, according to size. Order early, as supply is gone after April 1st.  
**White Callas** are available only in the fall.

## Tuberose

**Dwarf Excelsior Pearl.** One of the most delightfully fragrant and beautiful of the late flowering bulbs. Can be taken up and potted for indoor culture in the fall. 6c each; 60c a doz.; 25 for \$1.25.



Lily-of-the-Valley



## SUMMER FLOWERING BULBS—Continued

### CANNAS

One of the most satisfactory summer flowering bulbs. A bed 7 feet in diameter requires 19 bulbs. A 10-ft. bed requires 36 bulbs. We mention only the most popular varieties, but carry others. Prices: Single bulb 15c; \$1.00 per doz.

Illustration shows an effective planting of Cannas.



**Hungaria.** The best large rose-pink. 4 ft.

**King Humbert.** Large scarlet with bronze leaf. 4 to 5 feet.

**Orange Bedder.** Bright orange, suffused with scarlet. 4 feet.

**Pennsylvania.** Scarlet with green foliage. 4 to 5 feet.

**Richard Wallace.** Bright yellow, with green foliage. 4 feet.

**Yellow Humbert.** Bright, clear yellow flowers. Green leaf. 4 to 5 feet.

**Mixed Cannas** for borders and beds. Good assortment. Dozen 75c.

## EXTRA FINE DAHLIAS

PRICES POSTPAID

Dahlias are easily grown and so exceptionally satisfactory that every garden should have a good variety. Some of the newer varieties are truly enormous in size and striking in color and form. We list only those that are well worth while. If you are a **Dahlia Fancier** bring in your list and let us quote you on some of the more rare kinds.

### Standard Decorative Dahlias

Each 25c; Dozen \$2.40

**Berch Von Heemstede.** An extra fine, clear, rich yellow.

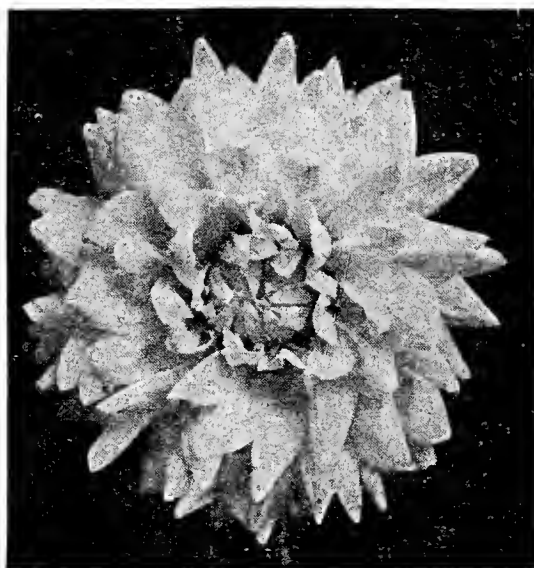
**Delice.** A glowing rose-pink that is sure to please. The stems are long and stiff.

**Flamingo.** An ideal variety for cutting. Bright shell pink.

**Mina Burgle.** A very free-flowering, vivid dark red on good stems.

**Mrs. Thos. Burch.** Rich old gold, sometimes marked with pink.

**Souvenir Douzon.** An immense flower with flat petals, full to the center. The largest red in the decorative section.



Show Dahlia

### Show and Fancy Dahlias

25c Each; \$2.40 Dozen

**Dr. I. B. Perkins.** An ideal white. Its large, pure white flowers are borne on long stems.

**D. M. Moore.** A deep, velvety maroon of mammoth size.

**W. W. Rawson.** An exceptionally fine pure white, tips of petals overlaid with delicate lavender.

**Stradella.** A large, full, well rounded purple.

**Victory.** Of immense size and perfect form, deep yellow, each petal tipped with cherry red.

### Superb Cactus Dahlias

Each 25c; Dozen \$2.40

**Charles Clayton.** A vivid red with long stems.

**Countess of Lonsdale.** The freest flowering Dahlia grown, rich salmon.

**Dainty.** Rosy pink, shading to pale lemon.

**Emily Russel.** An American beauty red with good stems.

**Genesta.** Rich bronze with orange cast.

**Mrs. H. J. Jones.** Bright vivid red with long claw-like petals, tipped with red.

**Standard Bearer.** Rich fiery scarlet.

### Peony-Flowered Dahlias

Each 50c; Dozen \$4.50

**Chicota.** An ideal large golden yellow. Stems often 18 inches long.

**Francis Daniels.** A lovely light pink with long stems. Has excellent keeping qualities.

**Happy Dream.** Stems long and wiry, holding the bloom to full view. Bright pink shading to lavender.

**Isa.** Light fawn pink, changing to amber. A free and constant bloomer.

**La Veta.** A combination of pink and bronze. A free and early bloomer.

**Sweetheart's Bouquet.** A perfect Peony-Flowered Dahlia, salmon rose shaded with fawn.

### Bargain Box Dahlia Collection

13 choice Dahlias, no two alike, for \$1.50, postpaid. For the beginner, we know of no better selection.

# HARDY FIELD GROWN ROSES

PLANT EARLY, MARCH OR APRIL IF POSSIBLE

For plantings after May 1st, we recommend our **CHOICE HARDY POT-GROWN ROSE BUSHES LISTED ON NEXT PAGE.**

We list only those varieties that are found to be hardy in Colorado and adjoining states. Many fine roses are not suitable for our climate and to plant them will only lead to disappointment.

Roses are lovers of heavy soil and for that reason we do not recommend lightening the soil with manure or leaves. Fertilization is very necessary and should be applied in the form of surface dressing, slightly worked into the soil. We suggest VIGORO.

Protect your roses in winter by working leaves, straw or dried grass about the roots but do not wrap the stems. Frequent freezing and thawing will cause mildew, sweating and mould, and result in winter killing if wrapping is resorted to.

Bush roses should be cut back to 18 inches to 2 feet soon after the first killing frost. Watch out for bugs. Spray with Black Leaf No. 40, or Melrosine, and powder leaves and buds with any good insect powder to prevent stinging by the rose fly.

Take note of this remarkable price for Colorado Grown Rose Bushes. All Rose Bushes listed on this page are priced at 50c each; \$5.00 per doz. Post-paid for 60c each; \$6.00 per doz.

## Hybrid Tea Roses

Average height 1½ feet, bloom all summer and fall.

**Columbia.** Bright Pink, good for cutting.

**Double White Killarney.** Snow White.

**Etoile de France,** Double Crimson.

**Pink Killarney,** Brilliant Pink.

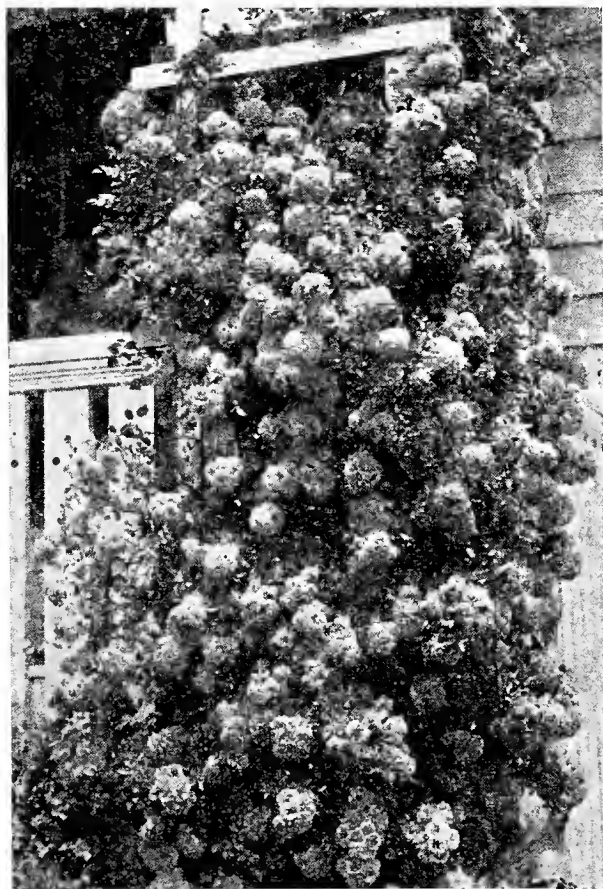
**Madam Butterfly,** Pale Pink and Gold.

**Ophelia,** Pearly Pink and Cream.

**Pink Radiance,** Bright Pink, extra good.

**Red Radiance,** Light Crimson.

**Sunburst,** Yellow with orange tint.



**Crimson Rambler**



**Red Radiance**

## Hybrid Perpetual Roses

Average height 4 feet

**American Beauty,** Dark Rose Pink.

**Frau Karl Druschki,** Snow White.

**General Jacqueminot,** Bright Crimson.

**George Arends,** Large Light Pink.

**Paul Neyron,** Rich Old Rose Pink.

## Climbing Roses

**Climbing American Beauty,** Crimson.

**Crimson Rambler,** Vivid Red in clusters.

**Dorothy Perkins,** Shell Pink in clusters.

**Excelsa,** Bright Crimson in clusters.

**Yellow Rambler,** Bright Yellow clusters.

**Pauls Scarlet Climber,** Bright Scarlet.

# HARDY POT GROWN ROSE BUSHES

These roses are grown on their own roots, assuring you that they will never "run wild." Pot grown roses develop better root systems than do field grown bushes and there should be absolutely no loss of plants when planting these bushes. The soil must never be allowed to get dry, however, for the first two or three weeks.

We list only a few of the most popular monthly blooming varieties, but can furnish any satisfactory rose at the same price.

**These Rose Bushes are grown in 4-inch pots, and will average 14 to 16 inches high. Each Bush is 2 years old, just the proper size and age to plant. All should begin blooming within 30 days after transplanting, if properly cared for.**

**PRICES—65c each, \$6.50 dozen. May be shipped express, charges collect, or by parcel post. If wanted by parcel post prices are 75c each; \$7.50 dozen.**

## BUSH ROSES

### WHITE

**Angels.** A big, yellowish-white.

**Double White Killarney.** Long budded and fragrant.

**Edel.** White shaded old ivory.

**Kaiserin.** Very fragrant and free bloomer.

**White Ophelia.** Pinkish center, long budded.

### YELLOW

**Golden Ophelia.** Good, clear yellow.

**Irish Fireflame.** Flame colored bud, opening pinkish.

**Lady Hillagdon.** Clear, light yellow.

**Mme. Butterfly.** One of the very best yellows.

**Mrs. A. R. Waddell.** Good bloomer, justly popular.

**Roselandia.** A new, rich yellow.

### LIGHT PINK

**Columbia.** Big flowers of brilliant hue.

**Cynthia Ford.** Free bloomer and sturdy.

**Pink Killarney.** True pink and free bloomer.

**La France.** The best pink in the list.

**Mme. C. Testout.** The rose that made Portland famous.

**Mrs. Chas. Bell.** Shell pink.

**Radiance.** Free bloomer and sturdy.

**Rosy Dawn.** Form similar to Ophelia.

### DARK PINK

**Commonwealth.** Deep pink, very fragrant.

**Dunlop.** Deep pink with pointed bud.

**Jonkherr Mock.** The largest deep pink grown.

**My Maryland.** Free bloomer and sturdy.

**Premier.** Big and fragrant.

### RED

**American Beauty.** The most satisfactory rose ever grown, blooms freely and is hardy in any climate.

**Crusader.** Very double, with long stem.

**Francis Scott Key.** One of the largest reds.

**Hadley.** Good grower, fragrant and sturdy.

**Legion.** A medium sized rose with good growing habits.

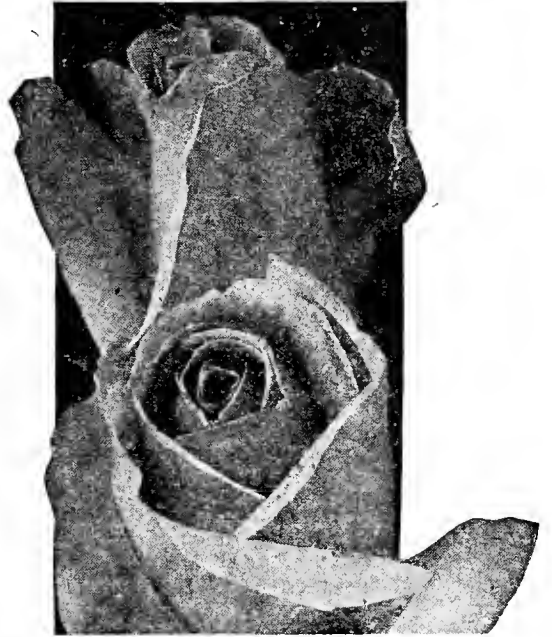
**Mrs. Henry Sewall.** Cherry red, pointed bud.

**Red Columbia.** Brilliant scarlet.

**Red Radiance.** One of the best.

**Senator.** A new dark red.

**Templar.** Similar to Ophelia.



White Killarney

## Climbing Roses

### White Climbers

**Mary Lovett.** Large double flowers, glossy foliage.

**White Perkins.** The most rapid grower.

### Yellow Climbers

**Electra.** Blooms over a long period.

**Gardenia.** Very free bloomer.

### Light Pink Climbers

**Alida Lovett.** Large pink.

**Dorothy Perkins.** Rapid grower but flowers fade.

**Pink Rambler.** Similar to Crimson Rambler.

**Tausendschoen.** Shell pink, a beauty.

### Dark Pink Climbers

**American Pillar.** Dark pink with white center.

**Heart of Gold.** Better than Hiawatha, larger and more vigorous.

### Red Climbers

**Climbing American Beauty.** Best red climber known.

**Excelsa.** Improvement over the old Red Rambler.

**Paul's Scarlet.** Large blooms, very popular.

# HARDY FLOWERING SHRUBS

**Almond.** Pink flowering. The first shrub to flower in the spring. The whole bush is covered with beautiful double pink flowers before the leaves appear. **Each 75c. Postpaid 85c.**

**Barberry.** New red leaved. The foliage is a rich, bronzy red, changing to vivid orange, scarlet and red in the fall. **Each 75c. Postpaid 90c.**

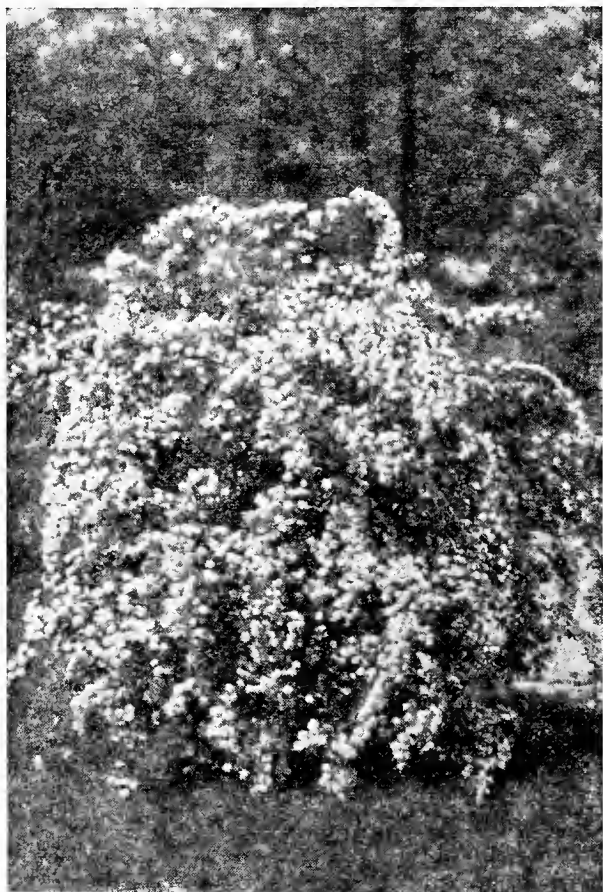
**Butterfly Bush.** Beginning to bloom in July, it continues throughout the summer, until cut by frost. Very attractive lavender colored blooms, fine for cutting. **Each 40c. Postpaid 50c.**

**Bridal Wreath.** Spirea van Houttii. The most beautiful of all Spireas, blooming in early spring. Resembles a mass of snow. **Each 50c. Postpaid 60c.**

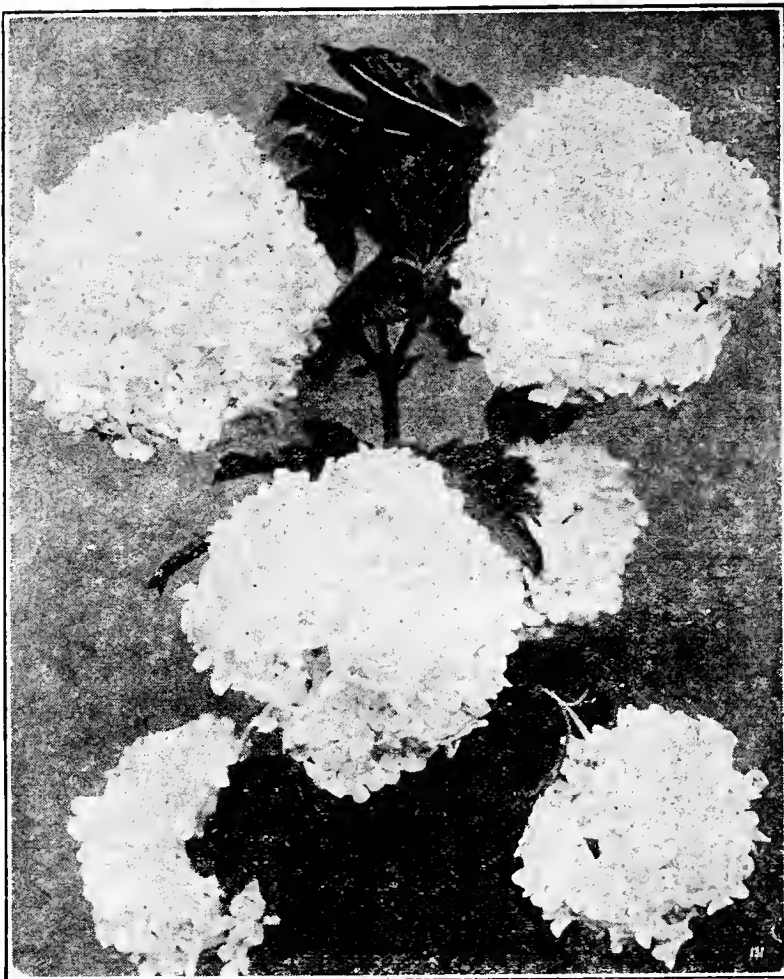
**Dogwood.** Coral and yellow. We can supply both. Coral Dogwood has bright red limbs and branches, and the Yellow Dogwood has yellow branches. These two Dogwoods make a beautiful contrast when planted together. **Ea. 50c. Ppd. 65c.**

**Honeysuckle.** Pink tartarian. Bright pink flowers in profusion. **Ea. 65. Postpaid 75c.**

**Honeysuckle.** Japanese bush. A spreading variety with creamy white flowers. **Each 65c. Postpaid 75c.**



Bridal Wreath



Snowball

**Hydrangea.** *Paniculata grandiflora*. A most beautiful shrub with immense clusters of white flowers shading to pink. **Each 50c. Postpaid 60c.**

**Lilac. White.** An old favorite that deserves space in every yard. **Each 60c. Postpaid 70c.**

**Lilac. Persian purple.** More dwarf than the white, and less liable to lose blooms through early frosts. Beautiful shade of purple. **Each 65c. Postpaid 75c.**

**Mock Orange.** Early flowering, tall shrub that is justly popular. **Ea. 50c. Ppd. 60c.**

**Quince. Japanese.** The shrub is simply covered with dazzling scarlet flowers through the early spring, followed by quince shaped fruits which are fragrant. **Each 50c. Postpaid 60c.**

**Snowball.** Covered with white balls of flowers through the early spring. **Each 60c. Postpaid 75c.**

**Snowberry. White.** Blooms during June and July with rose colored flowers, followed by clusters of milk-white fruits that remain through the winter. **Each 40c. Postpaid 50c.**

**Snowberry. Red.** Similar to the white, except that the fruits are red. Becoming very popular as it is better known. **Each 40c. Postpaid 50c.**

**Tamarix.** Fine, feathery foliage with soft pink flowers in July and August. Rather tall. 3-4 ft. size, **60c each. Postpaid 70c.**

**Hedge Plants.** Amoor River Privet. Our stock is northern grown, therefore very hardy. 24 plants will make a 10-foot row planted in a zigzag double row. Can be set in single row 10 to 12 inches apart, but planted in this way will make a thinner hedge. **12-18 inch, \$1.75 doz.; 25 for \$3.50; 100 for \$12.00. Add 10 per cent for postage, or may be sent express collect.**



# HARDY CLIMBING VINES

**Cinnamon Vine.** Very satisfactory for low walls or fences. Foliage is not dense, but is lacy in effect, with glossy, dark green leaves. Good sized tubers. 10c each; \$1.00 doz., postpaid.

**Clematis Jackmanii.** The most beautiful of all climbers. Large, star shaped purple flowers in clusters. This variety is difficult to grow from a dormant root, hence we furnish potted plants already well started. \$1.25 each, postpaid. Dormant plants if desired, \$1.00 each, postpaid.

**Clematis Paniculata.** The white Clematis. The flowers are pure white and borne in immense sheets covering the whole vine. Each 50c, postpaid.

**Dutchman's Pipe.** A vigorous grower with large, broad leaves and brownish colored flowers shaped like a pipe. Each \$1.25, postpaid.

**Honeysuckle.** Scarlet Trumpet. Very strong, rapid grower with red, trumpet-shaped flowers. One of the first vines to show green in the spring. Strong roots. 50c each, postpaid.

**Hop Vine.** The hop is such a rapid grower that it is always in demand for a quick fence coverer. The fruits are borne in profusion. Large roots. 20c each; \$2.00 doz., postpaid.

**Ivy.** Ampelopsis Engelmanni. A rapid growing vine that clings tightly to brick or stucco walls. Young plants should be fastened to wall by means of cloth strips, until the suckers form. Each 50c, postpaid.

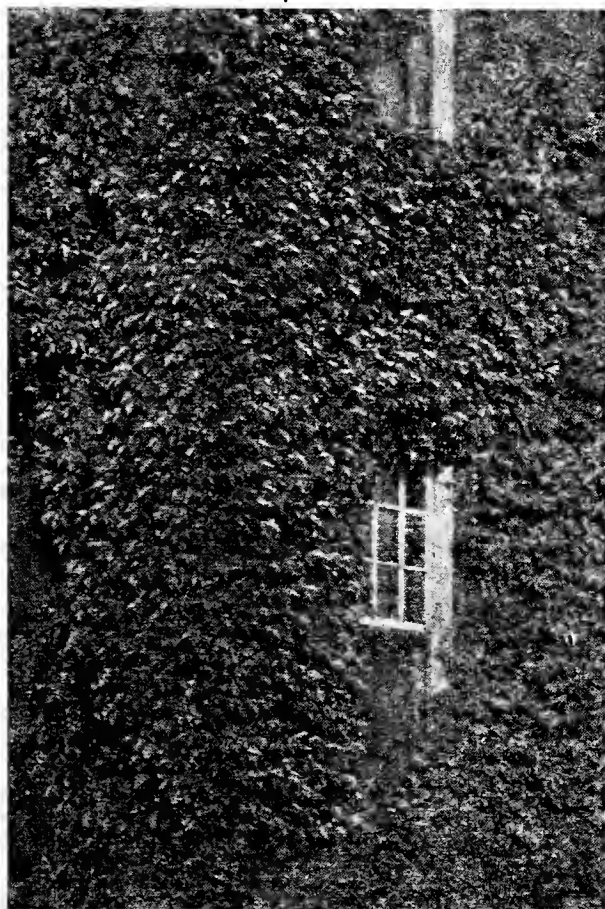


*Clematis Paniculata*

## TRICHOSANTHUS CUCUMBEROIDES

### A NEW NOVELTY CLIMBER GROWN FROM SEED

A hardy climber with blooms about 3 inches in diameter, feathery in appearance like long serrated Dianthus. After flowering, bears fruit which turns to a brilliant scarlet 4 to 5 inches long, in shape similar to a cucumber. Plant a packet of this seed and get your neighbors guessing. Imported from Japan. Packet 25c.



Ivy—Ampelopsis Engelmanni

**Kudzu Vine.** A Chinese introduction that has become justly popular. While slow to start off, after three or four weeks begins to grow amazingly fast. In good soil and sunny location will some times reach a height of 60 to 70 feet in a season. Very effective when planted against tree trunks. Each 50c; \$5.00 doz., postpaid.

**Maderia Vine.** Grown from tubers that resemble a potato. This vine is well worth your attention, as the foliage is peculiarly attractive. Freezes down to the ground in winter. Tubers should be dug before killing frosts and stored in a cool, dry cellar. Large tubers. 10c each; 90c doz., postpaid.

**Matrimony Vine.** Has small white flowers with scarlet fruit in the autumn. Used as a ground cover or for hanging over walls and fences, will climb to moderate height if supported. Each 35c; postpaid, 45c.

**Silver Lace Vine.** A hardy climber introduced from Turkestan. To see one is to want one. It grows rapidly and clings to any support. Each slender branch terminates in a spray of foamy white flowers. Will reach a height of 10 to 15 feet. Strong plants. 75c each, postpaid.

**Sweet Pea.** Perennial. This vine is very popular because it is so easily grown. The flowers are formed in clusters and come in red, white and pink. Assorted colors only. 25c each; \$2.50 doz., postpaid.

**Trumpet Vine.** See Honeysuckle, Scarlet Trumpet, above.

**Wisteria.** Purple. A rapid growing vine with purple-lilac, pea-shaped flowers in racemes. Very hardy. Each 90c, postpaid.

*Never an Evergreen Bargain like this!*

# EVERGREEN COLLECTIONS

Never before have we been able to offer a bargain like this. Evergreens are justly popular for lawn or parking plantings, foundation plantings or rockeries. The collection offered below make it possible for you to buy a whole set for the price of a single tree. These trees are not seedlings. They are all twice transplanted and grown by the largest evergreen nursery in America.

Prices are POSTPAID, shipment direct from the nursery with safe arrival guaranteed.

## LAWN COLLECTION—\$5.50 Postpaid

5 White Spruce .....	8-10 inches
5 American Arborvitae .....	10-12 inches
5 Douglas Fir .....	8-10 inches
5 Mugho Pine .....	6-8 inches

## ROCK GARDEN COLLECTION—\$5.25 Postpaid

1 Pfitzer Juniper .....	8-10 inches
1 Savin Juniper .....	8-10 inches
1 Mugho Pine .....	6-8 inches
1 Woodward Arborvitae .....	10-12 inches
1 Douglas Fir .....	10-12 inches
1 Pyramidal Arborvitae .....	10-12 inches
1 White Spruce .....	10-12 inches
1 American Arborvitae .....	10-12 inches

## FOUNDATION COLLECTION—\$7.25 Postpaid

2 Pfitzer Juniper .....	10-12 inches
2 Mugho Pine .....	10-12 inches
2 Pyramidal Arborvitae .....	12-18 inches

## COLORADO BLUE SPRUCE

This is the most beautiful of all the evergreens. Its distinct bluish color is immediately noticed. These trees are taken from our mountains and transplanted in the nursery for two to three years, giving them better shape and root growth. 18-inch, \$5.00; 24-inch, \$7.50; 30-36-inch, \$12.50.

## SHADE TREES

**Ash. European Mountain Ash.** Has green, fern-like foliage and is covered with red berries from late summer throughout the winter. The Ash is hardy in Colorado and makes a very attractive ornamental tree. 5-6 ft. \$1.50; 6-8 ft. \$2.00.

**Birch. Cut-Leaved Weeping.** This is the true white-barked weeping birch. It is the most beautiful tree in the whole list and attracts attention wherever seen. 6-8 ft. \$4.00.

**Maple. Soft, or Silver Leaf.** The fastest growing maple and best known. 6-8 ft. \$1.00; 8-10 ft. \$1.50.

**Maple. Hard.** This is one of our most beautiful trees, but is much slower in growth than the soft Maple. 4-5 ft. \$1.40; 5-6 ft. \$1.75.

**Poplar. Bolleaua.** Similar to the Lombardy, except that it has leaves resembling the soft Maple. 6-8 ft. \$1.25; 8-10 ft. \$1.75.

**Poplar. Lombardy.** Grows to great height, narrow, with dense foliage. 6-8 ft. \$1.25; 8-10 ft. \$1.75.

**Russian Olive.** A blooming ornamental tree reaching a height of 30 feet or more. Blooms are yellow and fragrant, foliage silvery white. 5-6 ft. \$1.00.

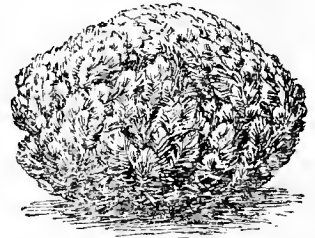
**Willows. Golden Weeping.** Long, slender, drooping branches, giving the tree an excellent ornamental effect. 6-8 ft. \$1.25.

**Willows. Blue Stemmed.** Same as above without the drooping habit. 4-5 ft. \$1.50.

**CHINESE ELMS—The New Wonder Tree—described and illustrated on inside back cover.**



White Spruce



Mugho Pine



American Arborvitae

## FRUIT TREES

**Apple.** Chenango, Delicious, Grimes Golden, Jonathan, Tallman Sweet, Stayman Wine-sap, Wealthy, Yellow Transparent, and Red Siberian Crab. 5-7 ft. \$1.00; ten for \$8.50.

**Cherry.** Early Richmond, English Morello, and Large Montmorency. 4-6 ft. \$1.00; 10 for \$8.50.

**Plum.** German Prune, Lombard, Wild Goose, Opata, Sapa. 5-7 ft. \$1.00; 10 for \$8.50.

## Berries and Small Fruits

**Blackberries.** Snyder. Each 15c; \$1.00 per doz. 100 for \$6.00, postpaid.

**Currants.** Red Cherry. Each 25c; 10 for \$2.00, postpaid.

**Gooseberries.** Downing, Houghton, or Oregon Champion. Each 25c; 10 for \$2.00, postpaid.

**Grapes.** Concord, Moore's Early, Brighton, or Niagara. The Concord is 20c each, or 10 for \$1.75. Other varieties, 25c each, or 10 for \$2.00, postpaid.

**Raspberries.** St. Regis Everbearing. Each 15c; 10 for 80c. Cuthbert, Marlboro, or Kansas Black, each 15c; 10 for 80c; 100 for \$5.00, postpaid.

**Strawberries.** Mastadon, largest and best of all varieties. 25 for 75c; 50 for \$1.35; 100 for \$2.50, postpaid.



# LAWN GRASS SEED

No home is complete without a **GOOD, WELL KEPT UP** lawn, and no lawn is worthy of the name that was not grown from the proper mixture of grass seeds. Conditions of soil, climate, altitude and moisture have a decided effect on the mixture best suited for different localities, and we suggest that you write us if in doubt as to what you should use.

We firmly believe that in nine cases out of ten a base of pure Kentucky Blue Grass seed makes the best lawn, but as Kentucky Blue Grass is somewhat slow in starting, it is usually advisable to use other seeds, in the proper proportions with Kentucky Blue Grass, in starting a new lawn.

In filling grass seed orders, we feel that our reputation is at stake, and we use the utmost care in buying seeds of this nature. Establishing a new lawn is something of a battle, but your battle is half won if your order is sent to us. The other half of the battle lies in the preparation of the soil and the care given after planting.

Free folder telling how to care for lawns and gardens.



## LAWN GRASS MIXTURES

**CAPITOL LAWN MIXTURE.** Based on mixture we used in planting the State House Lawn in Denver, with additions proved advisable in recent experiments. This mixture insures a continuous succession of growth. 1 lb. 40c, postpaid 50c; 5 lbs. \$1.85, postpaid \$2.05; 10 lbs. \$3.50, postpaid \$3.85.

**KENTUCKY BLUE GRASS AND WHITE DUTCH CLOVER.** Mixed in proper proportions. 1 lb. 50c, postpaid 60c; 5 lbs. \$2.35, postpaid \$2.55; 10 lbs. \$4.50, postpaid \$4.85.

**SHADY SPOT MIXTURE.** To be used where other grasses will not thrive. 1 lb. 55c, postpaid 65c; 5 lbs. \$2.60, postpaid \$2.80; 10 lbs. \$5.00, postpaid \$5.35.

## THE BENT GRASSES

The Bent Grasses are becoming more popular every year, yet we do not recommend a pure Bent Grass lawn for the reason that it is more difficult to keep up and because the Bent Grasses become dormant a little earlier in the fall than other grasses, and are somewhat later in turning green in the spring. The best results are obtained by mixing with equal parts of Kentucky Blue Grass.

**CREeping BENT** (So. German). ½ lb. 60c; 1 lb. \$1.15, postpaid \$1.25; 5 lbs. \$5.25, postpaid \$5.45; 10 lbs. \$10.00, postpaid \$10.35.

**SEASIDE, or COOS BENT.** 1 lb. \$1.40, postpaid \$1.50; 5 lbs. \$6.75, postpaid \$6.95.

**ASTORIANA BENT.** Purest and best of all the Bents. Sold in sealed bags only. 1 lb. \$1.75, postpaid \$1.85; 5 lbs. \$8.50, postpaid \$8.70.

## Standard Lawn Grasses, White Clover, Etc.

**KENTUCKY BLUE GRASS.** Good commercial grade. 1 lb. 35c, postpaid 45c; 3 lbs. \$1.00, postpaid \$1.15; 5 lbs. \$1.50, postpaid \$1.70; 10 lbs. \$2.85, postpaid \$3.05.

**KENTUCKY BLUE GRASS.** Extra heavy select seed. 1 lb. 40c, postpaid 50c; 5 lbs. \$1.85, postpaid \$2.05.

**WHITE DUTCH CLOVER.** Fancy, high-test seed. 1 lb. 60c; postpaid 70c; 5 lbs. \$2.85, postpaid \$3.00.

**MEADOW FESCUE** (English Blue Grass). 1 lb. 20c, postpaid 30c; 5 lbs. 85c, postpaid \$1.05.

**POA TRIVIALIS.** Recommended for shady lawns and for pasture mixtures. 1 lb. 40c, postpaid 50c; 5 lbs. \$1.85, postpaid \$2.00.

**RYE GRASS.** Nurse crop for lawn mixtures. 1 lb. 20c, postpaid 30c; 5 lbs. 85c, postpaid \$1.05; 10 lbs. \$1.60, postpaid \$1.95.

**RED TOP.** A very hardy grass withstanding dry conditions. 1 lb. 25c, postpaid 35c; 5 lbs. \$1.15, postpaid \$1.35.

**BERMUDA GRASS.** 1 lb. 40c, postpaid 50c; 5 lbs. \$1.85, postpaid \$2.05.

**Feed  
your lawn a  
Square Meal**

To grow smooth and velvety, your lawn must be fed! Give it the *square meal* for plants—4 lbs. of Vigoro per 100 sq. ft. Results will amaze you!

Vigoro, complete, scientifically balanced, is the largest selling plant food for lawns, flowers, shrubs and trees. Clean, odorless, easy to use—and inexpensive!

**VIGORO**  
Complete plant food  
A product of Swift & Company

See page 30 for prices

# FERTILIZERS

For Lawns, Gardens, Field Crops

Not Prepaid Unless So Stated.

## WARNING

DO YOU REALIZE WHAT YOU ARE DOING WHEN YOU ALLOW BARNYARD MANURE TO BE SPREAD UPON YOUR LAWN?

You are furnishing a perfect breeding place for GRASSHOPPERS, MOTHS, CUT-WORMS, FLIES, SOW-BUGS, and countless other insect pests.

FURTHER THAN THAT, and far more serious, germs of some of the most DEADLY DISEASES, such as LOCK-JAW (tetanus), and GAS GANGRENE are found in manure and are easily carried to the human system through any slight scratch or sore in the skin.

Why not get rid of all the FILTH, OFFENSIVE ODOR, DIRT, and DANGER incident to its use, by using—

**VIGORO** A Swift & Co.  
Complete plant food Product

The complete plant food that is CLEAN, ODORLESS, EASY TO APPLY, and PERFECTLY BALANCED. The proper food for your lawn and garden.

You can easily apply VIGORO by hand or with a kitchen colander;

Or, you can buy a perfectly efficient little spreader for ONLY \$1.95. See back cover;

Or, if you require a large spreader, note the exceptional values quoted below.

ONE TON OF MANURE contains less than 25 pounds of available plant food (1¼ % of doubtful value, 98¾ % of inexcusable waste).

## for Better Lawns

Vigoro, the complete scientifically balanced plant food, produces thick, velvety green lawns quickly. Clean, odorless, easy to use, and inexpensive. Order enough to feed everything you grow.



**VIGORO**  
Complete plant food

Vigoro Prices Are Reasonable

100 lb. bag.....	\$5.00
50 lb. bag.....	3.00
25 lb. bag.....	1.75
10 lb. pkg. ....	.85
5 lb. pkg. ....	.50
12 oz. pkg. ....	.10

Use 4 pounds (cost, 20c) to every 100 square feet of lawn and garden.



Little Vigoro Spreader.....	\$ 1.95
Junior Vigoro Spreader, 14 inches wide.....	6.25
Standard Vigoro Spreader, 24 inches wide.....	11.05
Special Vigoro Spreader, 36 inches wide.....	17.00

You can have a better lawn, better flowers, better garden, with no fuss, no smell, and no danger, if you use

**VIGORO**  
Specially prepared plant food

FERTILIZERS—Continued

Not Prepaid unless so stated.

- Bone Meal.** Evergreen Brand. 5 lbs. 25c; 10 lbs. 40c; 25 lbs. 85c; 50 lbs. \$1.40; 100 lbs. \$2.50.
- Bone Meal.** Steamed. Valuable for flowers, vegetables, etc. 5 lbs. 25c; 10 lbs. 45c; 25 lbs. 95c; 50 lbs. \$1.50; 100 lbs. \$2.60.
- Aluminum Sulphate.** Sometimes mixed with other plant foods to eliminate weeds. Use ¼ lb. to 100 square feet. 1 lb. 15c; 5 lbs. 65c; 10 lbs. \$1.00; 25 lbs. \$1.50; 50 lbs. \$2.75; 100 lbs. \$5.00.
- Loma.** A commercial plant food popular in the South. 1 lb. can 25c; 5 lb. can 50c; 10 lb. bag 85c; 25 lb. bag \$1.75; 50 lb. bag \$3.00; 100 lb. bag \$5.00.
- New Plant Life.** A liquid plant food especially valuable for house plants. 8 oz. can 30c, postpaid 40c.
- Nitragin.** The Original Seed Inoculator. Assists early production and increased yield.



Garden Size, for Sweet Peas, Garden Peas and Beans. 25c postpaid.  
Culture "A," for Alfalfa and Sweet Clover. See prices below.  
Culture "B," for Alsike, Red, Crimson and White Clover. Prices below.  
Culture "C," Field and Garden Peas, Vetches. Prices below.  
Culture "D," Field and Garden Beans. Prices below.  
Culture "E," Cow Peas. Prices below.  
Culture "S," Soy Beans. Prices below.

- Cultures "A" and "B," ¼ bu. 40c; ½ bu. 60c; 1 bu. \$1.00; 5 bu. \$4.75. Postpaid.  
Cultures "C" and "D," ½ bu. 40c; 1 bu. 60c; 1½ bu. 90c; 3½ bu. \$1.80; 5 bu. \$2.50. Postpaid.  
Cultures "E" and "S," 1 bu. 40c; 2 bu. 70c; 5 bu. \$1.50; 10 bu. \$2.50. Postpaid. Be sure to specify culture wanted.
- Nitrate of Soda.** Contains the basic elements for most requirements. 5 lbs. 45c; 10 lbs. 75c; 25 lbs. \$1.50; 50 lbs. \$2.75; 100 lbs. \$5.00.

**Peat Moss, Granulated.** Very satisfactory to lighten heavy soil, or to give body to sandy soil. Original bale contains about 20 bushels before compressed. Will cover about 250 sq. ft. to a depth of 1 inch. Original bale \$4.00 (shipping weight about 160 lbs.); half bale \$2.50; sugar sack filled (about 15 lbs.) for \$1.00. Not Prepaid.

FULTON'S  
**PLANTABBS**  
ODORLESS PLANT FOOD TABLETS

A concentrated food for plants, in tablet form.  
30 tablet size.....\$0.25  
75 tablet size......50  
200 tablet size..... 1.00  
Postpaid

- Walker's "Excelsior" Plant Food.** For house plants, ferns, etc. 2 oz. can 15c; 5 oz. size 25c; 2 oz. size 50c; postpaid.
- Walker's "Japanese" Palm Food.** Especially for Rubber Plants and Palms. 5 oz. pkg. 25c, postpaid 30c.

- Sacco.** For lawns, gardens, and vegetable crops.
- |                  |        |              |        |
|------------------|--------|--------------|--------|
| 1 lb. can.....   | \$0.25 | By mail..... | \$0.35 |
| 5 lb. can.....   | .50    | By mail..... | .65    |
| 10 lb. bag.....  | .85    | By mail..... | 1.20   |
| 25 lb. bag.....  | 1.75   |              |        |
| 50 lb. bag.....  | 3.00   |              |        |
| 100 lb. bag..... | 5.00   |              |        |
- } Not postpaid



- Semesan.** Seed and plant disinfectant. Prevents disease and blight, helps germination, and promotes early growth. Ask for descriptive folder. 2 oz. size 50c; 1 lb. size \$2.75; 5 lb. size \$13.00. Cannot be mailed.
- Semesan Jr.** For corn and seeds of cereals. 4 oz. size 50c; 1 lb. size \$1.75; 5 lb. size \$8.00. Cannot be mailed.
- Semesan Bell.** Especially prepared for potatoes. 1 lb. size \$1.75; 5 lb. size \$8.00. Cannot be mailed.
- Sheep Manure.** Pulverized and treated to eliminate weed seeds. Not to be confused with ordinary barnyard manure. To be used in early spring for warming lawns or gardens, or in late fall for mulch. Not to be used for fertilizing lawns; for such purpose use VIGORO. 10 lbs. 25c; 25 lbs. 50c; 50 lbs. 70c; 100 lb. bag \$1.00; 5 bag lots, \$4.50; 10 bag lots \$8.50; 20 bag lots \$16.00.
- Soil Testers.** The Hellige Tester, \$3.50 postpaid. Handbook for same, \$1.00.
- Stim-U-Plant Tablets.** Used for house plants and small shrubs. 10 tablet size 15c; 30 tablet size 25c; 100 tablet size 75c; 1000 tablet size \$3.50; postpaid.
- Sulphate of Ammonia.** Sometimes called "Ford's Fertilizer." A quick acting stimulant for lawns and gardens. CAUTION—Do not use Sulphate of Ammonia year after year on the same ground. To do so will result in an "out-of-balance" condition of the soil that will result in loss of lawn entirely. 1 lb. 10c; 3 lbs. 25c; 5 lbs. 40c; 10 lbs. 65c; 25 lbs. \$1.35; 50 lbs. \$2.40; 100 lbs. \$4.50; not postpaid.
- Super-Phosphate (45%).** 10 lbs. 75c; 25 lbs. \$1.50; 50 lbs. \$2.75; 100 lbs. \$4.50; original sack, 125 lbs. for \$5.25; not postpaid.
- Wedo.** A companion to Sacco, with weed eradicating elements added. 25 lb. bag \$2.00; 100 lb. bag \$6.50.

# INSECTICIDES

As poisons cannot be mailed, these prices are NOT postpaid. Items marked thus (\*) may be mailed if postage is added to order.

Ask For Free Spraying Guide. It Is Very Complete



**All Round Spray (Acme).** A combination spray to destroy both sucking and chewing insects and fungus diseases.  $\frac{1}{4}$  lb. 40c; 1 lb. 90c.

**Arsenate of Lead.** For control of all leaf eating insects.  $\frac{1}{2}$  lb. 20c; 1 lb. 35c; 4 lbs. \$1.00.

**Bean Beetle Dust.** Prepared especially for beans, cucumbers, potatoes, etc. 1 lb. 30c; 4 lbs. 80c.

**Black Leaf 40.** A 40% nicotine spray used for all soft bodied insects, also for poultry lice by painting on roosts. 1 oz. bottle 35c; 5 oz. bottle \$1.00; 1 lb. bottle \$2.25; 2 lb. tin \$3.35; 5 lb. tin \$6.25; 10 lb. tin \$10.75; 50 lb. drum \$47.50.

**Blue Vitriol (Copper Sulphate).** Use 1 lb. to 15 gals. water. 1 lb. 20c; 5 lbs. 75c; 10 lbs. \$1.25; 25 lbs. \$2.75; 50 lbs. \$5.00; 100 lbs. \$9.50.

**Bordeaux Mixture.** 1 lb. 30c; 4 lb. pkg. \$1.00.

**Copper Carb.** 5 lb. pkg. \$1.25; case of 6 5 lb. pkgs. for \$6.00.

**Copper Sulphate.** See Blue Vitriol, above.

**\*Evergreen.** A non-poisonous spray for rose slugs, red spiders, cut worms, plant lice, cabbage worms, etc., etc. It is remarkably effective and, not being a poison, may be mailed.



**EVER GREEN**  
Non-Poisonous Insecticide  
**KILLS INSECTS**  
Both Chewing and Sucking Types

1 oz. bottle.... \$0.35; postpaid.... \$0.40  
6 oz. bottle.... 1.00; postpaid.... 1.10  
16 oz. bottle.... 2.00; postpaid.... 2.15  
32 oz. can..... 3.50; postpaid.... 3.70  
1 gal. can..... 11.50; postpaid.... 12.00  
5 gal. can..... 45.00

**"43" for the Tree.** Use on tree wounds, or where branches have been removed. 1 lb. can 65c, postpaid 75c;  $2\frac{1}{2}$  lb. can \$1.55, postpaid \$1.70; 5 lb. can \$2.95, postpaid \$3.15.



**\*Foliage.** A new non-poisonous insecticide that is very effective against most insect pests, on flowers, fruits, plants, vegetables. 2 oz. bottle 35c, postpaid 40c; 8 oz. bottle \$1.00, postpaid \$1.10.

**Foliage Hose Sprayer.** Takes all the work out of spraying. Place 2 tablespoons of Foliage in the Foliage Hose Sprayer, shake up thoroughly and attach to hose line. Turn on water and spray your flowers and plants. The solution as it leaves the sprayer is in correct proportions to kill insect pests without harm to the most tender plants. Ask for free circular. \$1.50 complete, postpaid \$1.70.

**Garden Guard (Acme).** Powder in sifter top can for dusting on flowers, plants, etc. 1 lb. can 25c; 5 lb. can 85c.

**\*Grape Dust.** For mildew on plants. 5 lb. pkg. 95c, postpaid \$1.10.

**\*Grafting Wax.** Use on tree wounds, or where branches have been removed or broken.  $\frac{1}{4}$  lb. pkg. 20c;  $\frac{1}{2}$  lb. pkg. 30c; 1 lb. pkg. 50c; postpaid.

**Hellebore.** Powder for sprinkling on roses, etc.  $\frac{1}{4}$  lb. pkg. 20c;  $\frac{1}{2}$  lb. pkg. 35c; 1 lb. pkg. 60c.

**Lime, Hydrated.** See listing under Pest Exterminators.

**Lime-Sulphur.** Dry. 1 lb. pkg. 30c; 5 lb. pkg. \$1.25.

**Louden Purple.** 1 lb. pkg. 30c.

**\*Melrosine.** Particularly effective against rose bugs. 1 pt. can \$1.00, postpaid \$1.10.

**Nico-Fume (liquid).** For killing all kinds of plant lice. 1 lb. can \$2.00; 4 lb. can \$5.85.

**Paris Green.**  $\frac{1}{4}$  lb. 15c;  $\frac{1}{2}$  lb. 25c; 1 lb. 45c; 2 lbs. 85c; 5 lb. pkg. \$2.00.

**\*Powder Guns.** For blowing powder. Empty, 15c each; filled, 25c each.

**Pyrox (Nicotine Pyrox).** Vastly improved over the plain Pyrox. One of the best nicotine sprays. 10 oz. bottle 50c; 40 oz. can \$1.75.

**\*Slug Shot.** A favorite for house plants, gardens, shrubs, etc. 1 lb. can 25c, postpaid 35c; 5 lb. can 75c, postpaid 90c.

**\*Spray Soap (Acme).** A fish oil soap. 1 lb. pkg. 30c, postpaid 40c; 5 lb. pkg. \$1.25, postpaid \$1.40.

**\*Sulpho-Tobacco Soap.** Combines sulphur with nicotine. 3 oz. cake 15c; 8 oz. cake 25c; all postpaid.

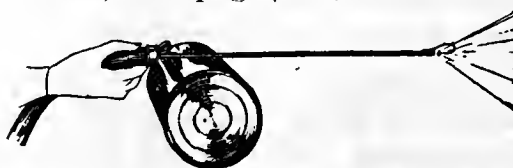
**\*Sulphur.** Powdered. 1 lb. 10c; 3 lbs. 25c; 10 lbs. 55c; 100 lbs. \$3.50. If by mail add postage.

**\*Sulphur.** Wettable. A finely ground sulphur (300 mesh fine), recommended for Brown Rot, Scab, and other Fungl. Will mix with water and work in any sprayer if agitated. 1 lb. 20c; 5 lbs. 75c; 10 lbs. \$1.40; 25 lbs. \$2.75; 50 lbs. \$5.00; 100 lbs. \$9.00. Not prepaid. Free folder describes use for fruit crops or green-houses.

**\*Sunoco Spray Oil.** For scale on trees and shrubs. 1 gal. can \$1.50; 5 gal. can \$6.00. Not postpaid.

**\*Tobacco Dust.** 1 lb. 10c; 3 lbs. 25c; 10 lbs. 75c; 100 lbs. \$4.75. If by mail add postage.

**Two-Way Spray (Acme).** Combines action of Arsenate of Lead and Bordeaux Mixture, insecticide and fungicide.  $\frac{1}{2}$  lb. 25c; 1 lb. 40c; 4 lb. pkg. \$1.25.



Foliage Hose Sprayer

See, also, Pest Exterminators on next page

# PEST EXTERMINATORS



**Antrol.** The surest cure for ants. Comes in a set of 4 jars for placing in runs or hills, and a 4-oz. jar of poisoned syrup. Complete for 95c. Extra syrup 45c for 4-oz. jar. Extra empty jars 15c each. Cannot be mailed.

**"Bait-M"** (Acme). A dry granulated bait for cutworms, etc. Place in ring around plants and flowers. 1 lb. can 35c; 3 lb. can 60c; Cannot be mailed.

**\*Black Flag.** A liquid spray for Flies, Moths, Ants, Mosquitos, Bed Bugs, Roaches, etc. ½ pint 35, postpaid 45c; 1 pint 60c, postpaid 75c; 1 quart \$1.00, postpaid \$1.20.

**Cyanogas.** The best and surest ant exterminator. In dust form, used in the hills. Also used for moles, gophers, and prairie dogs. Forms a volatile gas that kills pest immediately. ½ lb. can 45c; 1 lb. can 75c; 5 lb. can \$3.00. Cannot be mailed.

**Dandelion Doom.** Kills dandelions and noxious weeds in lawns and walks. Quart can 50c; ½ gal. can 65c; gallon can 90c. Not postpaid.

**Dandelion Guns.** For applying dandelion and weed exterminators. \$1.65 each. Postpaid for \$1.90.

**Denver Ant Exterminator.** A liquid applied direct to ant hills and runways. Very effective. Quart bottle 60c; ½ gal. bottle \$1.00. Cannot be mailed.

**\*Indor.** An insect killer of national reputation. Use against all sorts of indoor pests. ½ pint 35c, postpaid 45c; 1 pint 65c, postpaid 80c; 1 quart \$1.00, postpaid \$1.20; 1 gal. \$3.50, postpaid \$3.80.

**\*Knox-Out Fly Spray.** For livestock. This is the best of the lot. 1 quart 60c, postpaid 75c; 1 gallon \$1.50, postpaid \$1.80; 5 gallons \$6.75; 30 gallon drum \$35.00. Two larger sizes not postpaid.

**\*Knox-Them-All Spray.** A household spray for bed bugs, moths, roaches, etc. Will not stain. Pint can 40c, postpaid 50c; quart can 75c, postpaid 90c; ½ gal. can \$1.45, postpaid \$1.65; 1 gal. can \$2.45, postpaid \$2.75.

**Mouse Seed.** Poison grain attractive to mice and rats. Simply scatter where these pests are found. Pkg. 25c. Cannot be mailed.

**\*Persian Insect Powder.** The base for most insect powders and sprays. ¼ lb. 20c; ½ lb. 35c; 1 lb. 60c; postpaid.

**Poison Wheat** (Sweeney's). For rats, mice, gophers, etc. 2 oz. pkg. 15c; 4 oz. pkg. 30c; 1 lb. pkg. 60c. Cannot be mailed.

## RAT POISONS



**Rat-Nip.** A paste form in tube to be used on bait such as cake, banana, cooked sweet potato, meat, etc. Very effective. Large tube 35c.

**\*K-R-O** (Kills Rats Only). A Squill preparation in powdered form to be mixed with any bait attractive to rats or mice. Positively not poisonous. Use freely around the home, barn, poultry house or any rat infested place. 2 oz. can 75c, postpaid.

**75c and \$2.00**

**K-R-O**  
KILLS-RATS-ONLY



**Snarol.** A poisoned bait for snails, cut worms, sow bugs, etc. 1 lb. pkg. 45c; 3 lb. pkg. 95c. Cannot be mailed.

**\*Sodium Fluoride.** For roaches, water bugs, etc. Also used for poultry lice. 1 lb. pkg. 35c; 3 lbs. for \$1.00; 5 lbs. \$1.50; postpaid.

**Sodium Chlorate Weed Killer.** 1 lb. 25c; 5 lbs. \$1.00; 10 lbs. \$1.75; 50 lbs. \$7.00. Not prepaid.

**\*Tree Tanglefoot.** Banding with Tree Tanglefoot is the most inexpensive method of controlling tree pests. 1 lb. can 65c, postpaid 75c; 5 lb. can \$2.75, postpaid \$2.90.

**Terro Ant Killer.** A liquid for placing in ant hills. Very effective. 2 oz. bottle 50c. Cannot be mailed.



**Traps.** Victor spring traps for mice, 3 for 10c. Add postage. Wood choker mouse traps, 4 hole, 15c each, postpaid 20c. Spring rat traps, 20c each, postpaid 25c.

**Weed Killer**—See Sodium Chlorate, above.

## Worms in Lawns—How to Eliminate

To prevent, or to kill light infestation, use a light application of Hydrated (powdered) Lime. 4 oz. to 100 square feet. Must be spread evenly and watered thoroughly or burning will result. This lime is also valuable to correct sour soil conditions and to break up lumpy soil. 6 lbs. 25c; 10 lbs. 40c;

original bag of 50 lbs. for \$1.00; 100 lbs. for \$1.75; not prepaid.

The best method of eliminating earth worms in lawns is to use 8 oz. Arsenate of Lead to 100 square feet of lawn. Water thoroughly and repeat in 15 days if necessary. This method is safe as there is no danger of burning. For prices see page 32.



# Sprayers, Spray Pumps and Dusters

REMEMBER THAT "A SQUIRT IN TIME SAVES NINE"

Don't Let the Bugs Harvest Your Crops. Free Book on How, What and When to Spray, on Request



**Duster Brown No. 1.** A  $\frac{1}{2}$  pint all tin duster suitable for ground crops or small trees. Each 60c, postpaid 75c.

**Brown's Crystal Duster.** A serviceable duster with an 18 inch cylinder, glass tank holding 1 quart, equipped with agitator, spreader, and extension tube. Each \$1.35, postpaid \$1.45.



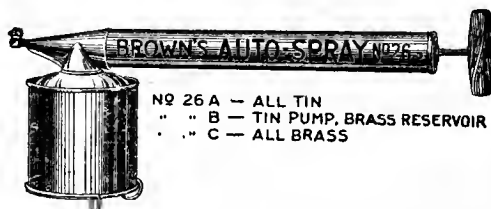
**Hudson Household Sprayer No. 2-F.** A small sprayer for the home. Each 25c, postpaid 35c.



**Brown's Twin Blast Sprayer.** Glass reservoir, holding 1 quart, will outlast several tin or galvanized sprayers. Each 75c, postpaid 85c.

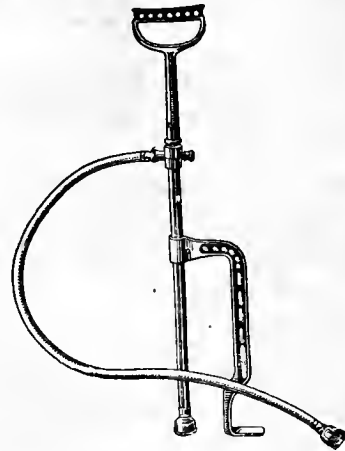


**Hudson Misty No. 452.** A heavy tin quart capacity pump throwing a fine mist-like spray. Each 50c; postpaid 60c.



**Brown's Auto-Spray.** A continuous spray, saving time and elbow grease.  
No. 26-A, quart tin tank, \$1.00, postpaid \$1.10.  
No. 26-B, brass tank, \$1.50, postpaid \$1.60.  
No. 26-A-G, glass tank, \$1.25, postpaid \$1.35.

**Whirlwind Sprayers.** Quart tank, tin, distributes fine misty spray, without wasting solution. Each 50c, postpaid 60c.



**Brown's Bucket Pump No. 6.** Will develop 200 lbs. pressure with ease. Each \$4.25, postpaid \$4.40.



**Hudson Junior Compression Pump No. 140-G**  
A  $2\frac{1}{2}$  gal. sprayer unequalled for the price. \$4.50, postpaid \$4.65.

**Hudson Thrifty No. 120-G.** Similar to above. \$4.00 each, postpaid \$4.15.

**Hudson Perfection No. 110-G.** 4 gal. capacity, heavily built. Each \$6.50, postpaid \$6.75.

**Brown's No. 9-D.** A heavy compression pump with reinforced corrugated 4 gal. tank. Galv. \$6.50; postpaid \$6.75. With brass tank \$9.50, postpaid \$9.75.

**Bamboo Extensions.** 8 feet long. Each \$3.25.

**Bordeaux Nozzles.** Each 60c postpaid.

**Shut-off Nozzles.** Each \$1.50 postpaid.

# GARDEN TOOLS



**No. T-25**

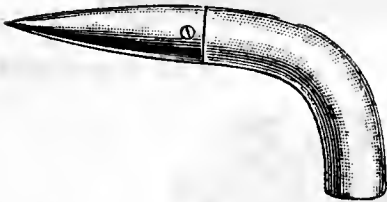
**Garden Trowels.** If by mail, add 5c each.  
**No. T-25.** 6-inch transplanting, rolled steel blade. **Each 20c.**

**No. T-20.** Wide blade. **Each 25c.**

**No. 80.** One piece all steel, wide blade. **Each 20c.**

**No. 81.** One piece all steel, narrow blade. **Each 20c.**

**No. 82.** Five prong all steel weeder, length 9½ inches. **Each 20c.**



**Dibbers.** All steel well made, for transplanting. **Each 70c, by mail 80c.**



**Graswips.** Cut grass and weeds the new way, without stooping. 37 inches long, with 9¼-inch tool steel blade. **Each \$1.00, by mail \$1.10.**



**Magic Weeder No. "A."** One of the most useful of tools, 3 prongs. **Each 25c, postpaid 35c.**



**Hand Weeder No. 830.** 5 prong, corrugated handle. **Each 45c, postpaid 55c.**



**Pruning Shears No. V-179.** 8-inch valute spring. Ladies' shear. **\$1.25, postpaid \$1.35.**

**No. 309.** California pattern, length 9-inch forged steel blade. **Each 75c, postpaid 85c.**

**No. 312.** California pattern, length 9 inches, tempered tool steel blade. **Each \$1.45, postpaid \$1.55.**

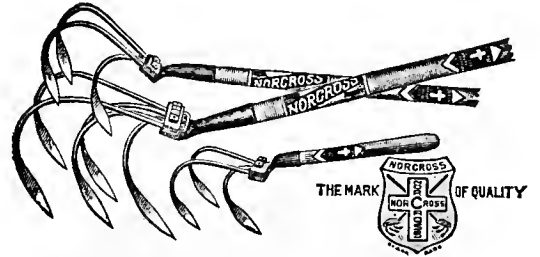


**No. V-52**

**Grass Shear No. V-52.** A shear that will last many seasons without sharpening. **Each 80c, postpaid 90c.**



**Dandelion Knife No. 219.** A special knife that will not bend. Tool steel, tempered, with enameled handle. **Each 35s, postpaid 45c.**

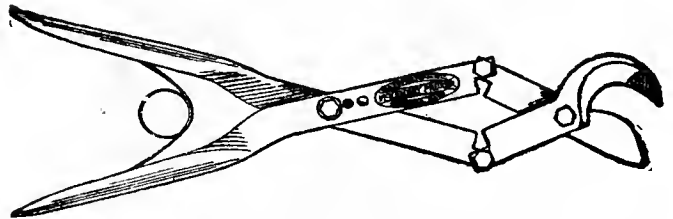


**Norcross Cultivators.** Every home should have one.

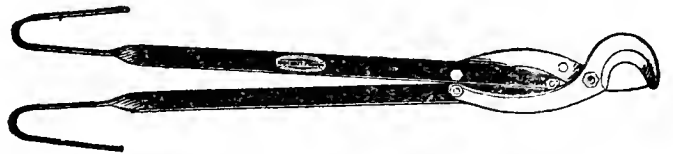
**No. 55.** 5-prong with full length handle. **\$1.25, not postpaid.**

**No. 33.** 3-prong, medium length handle. **90c, not postpaid.**

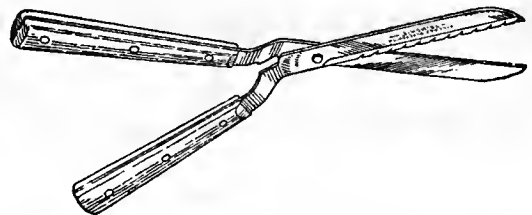
**No. 11.** 3-prong, short handle. **60c, postpaid 75c.**



**McKenney Tree Pruner No. 0.** A shear that clips off surprisingly large branches with practically no effort at all. **Each \$2.00, postpaid \$2.15.**



**McKenney Tree Pruner No. 1.** Has handy grip handle and with its double leverage principle, will cut a broom stick with ease. **Each \$2.50, postpaid \$2.65.**



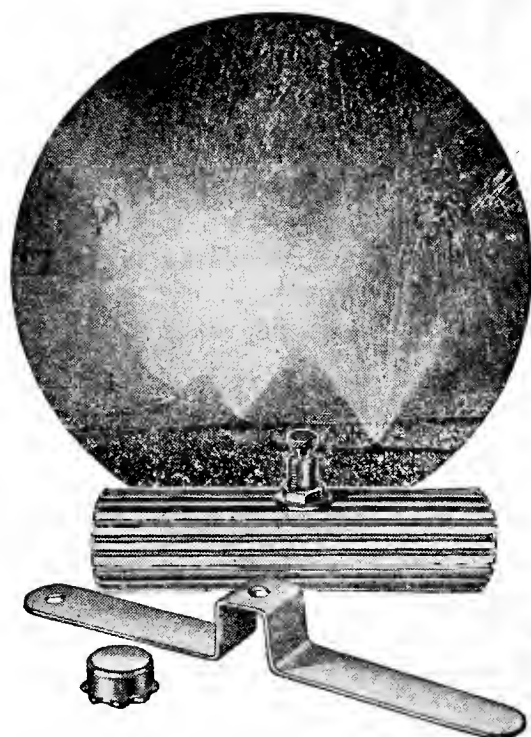
**Hedge Shear, Trimsnip No. 08.** Full polished blades with maple handle. 8-inch notched blade. A shear to last a lifetime. **Each \$2.65, postpaid \$2.80.**

# RUBBER HOSE AND HOSE FITTINGS

## NOZZLES AND SPRINKLERS

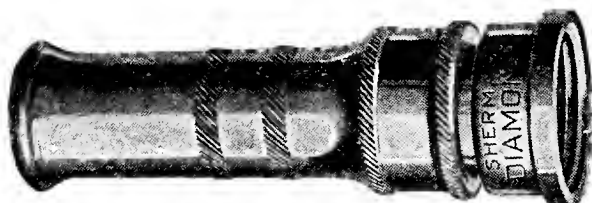


**Rubber Hose:** "Vigilant" brand. A heavy ribbed  $\frac{5}{8}$ -inch hose that will give years of service. 25-foot lengths complete with couplings, \$2.45; 50 feet for \$4.75; 100 feet for \$9.00. Extra couplings, 25c set. Not prepaid.



**Hose Line with Sprays Attached**

**Hose Line with Sprays Attached.** It is now possible to buy any length of hose line with adjustable sprays already attached. For large areas, parkings, etc., this arrangement is a winner. Works beautifully even with low water pressure. 25-foot length, with 3 sprays attached, \$5.50. 50 feet with 5 sprays attached, \$8.25. 50 feet with 4 sprays coupled so they may be detached and changed at will, \$9.75.



**Diamond Nozzle**

**Diamond Nozzle.** Adjustable. 55c each, postpaid 60c.

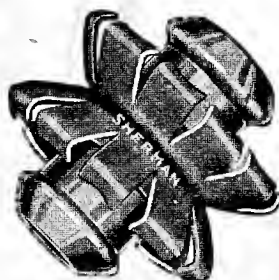
**Twin Sprinklers.** 35c each, 3 for \$1.00. Postpaid 40c each, 3 for \$1.10.



**Sherman Couplings.** 15c each, postpaid.



**Brass Tube Hose Menders.** 5c each postpaid.



**Clincher Menders**

**Clincher Menders.** 10c each, postpaid.



**Hose Clamps**

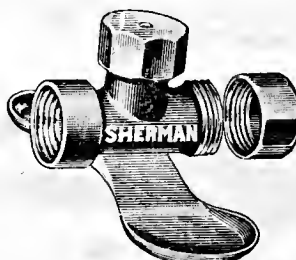
**Hose Clamps.** 5c each, postpaid.



**Rose Sprinkler**

**Rose Sprinkler.** 40c each, postpaid.

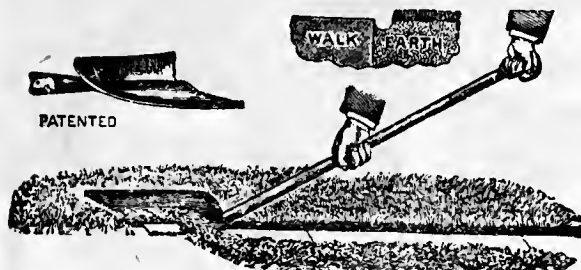
**Wire Hose Holders.** Worth their weight in gold when service is considered. 10c each, postpaid 15c each.



**Extra Spray Heads**

**Extra Spray Heads.** May be used singly, or in series. Each 60c, 3 for \$1.75, postpaid.

# MISCELLANEOUS HOME AND FARM REQUISITES



**No. 136 Lawn Edge Trimmer.** One of the handiest tools you will ever own. Edges grass from walks with little or no effort. **Each \$1.50; postpaid \$1.65.**

**PERFECTO FLOWER BOXES.** Made of copper-alloy metal, scientifically built so that plants grown in these boxes will be radiantly healthy—since air and water are admitted beneath the roots. Self-watering and self-ventilating features. The **Flower Box Supreme**. Colors, **Green or Chinese Red**.

Size A, 20 inches long, 6 inches deep, 7 inches wide,	<b>\$1.00; postpaid \$1.15</b>
Size B, 26 inches long, 6 inches deep, 7 inches wide,	<b>1.50; postpaid 1.65</b>
Size C, 32 inches long, 6 inches deep, 7 inches wide,	<b>2.00; postpaid 2.20</b>
Size D, 38 inches long, 6 inches deep, 7 inches wide,	<b>2.50; postpaid 2.70</b>
Size E, 44 inches long, 6 inches deep, 7 inches wide,	<b>3.00; postpaid 3.25</b>

**FANCY METAL FLOWER POTS.** Made of lasting copper-alloy. No more breaking of pots with loss of plants. Saucer is provided with air circulation to prevent souring. Colors, green or red.

5-inch, with saucer.....	<b>20c; postpaid 30c</b>
6-inch, with saucer.....	<b>30c; postpaid 40c</b>
8-inch, with saucer.....	<b>50c; postpaid 60c</b>
10-inch, with saucer.....	<b>75c; postpaid 90c</b>

**ONE AND TWO-EYE PLANT STAKES.** Good sturdy stakes that will last a life-time and do the job expected of them satisfactorily.

Single-Eye, 24 inch.....	<b>Each 3c; 1 doz. for 35c; 100 for \$2.50</b>
Single-Eye, 36 inch.....	<b>3 for 10c; 1 doz. for 40c; 100 for 2.80</b>
Single-Eye, 48 inch.....	<b>Each 4c; 1 doz. for 45c; 100 for 3.75</b>
Two-Eye, 24 inch.....	<b>3 for 10c; 1 doz. for 40c; 100 for 2.80</b>
Two-Eye, 36 inch.....	<b>Each 4c; 1 doz. for 45c; 100 for 3.75</b>
Two-Eye, 48 inch.....	<b>Each 5c; 1 doz. for 50c; 100 for 4.00</b>

**If by mail, add 10c per doz.; 50c per 100**

**BAMBOO STAKES,** pencil size or larger. Not postpaid.

2 foot .....	<b>12 for 10c; 25 for 20c; 50 for 30c; 100 for \$0.40</b>
3 foot .....	<b>12 for 15c; 25 for 25c; 50 for 40c; 100 for .70</b>
4 foot .....	<b>12 for 25c; 25 for 45c; 50 for 80c; 100 for 1.15</b>
6-foot .....	<b>12 for 30c; 25 for 50c; 50 for 90c; 100 for 1.50</b>

**GARDEN STAKES.** Heavy 1 inch square wood, painted green. Not postpaid.

3 foot .....	<b>Each 8c; 1 doz. for \$0.85</b>
4 foot .....	<b>Each 10c; 1 doz. for 1.10</b>
5 foot .....	<b>Each 14c; 1 doz. for 1.50</b>
6 foot .....	<b>Each 16c; 1 doz. for 1.85</b>

## BOOKS FOR BETTER GARDENS

Inexpensive books that deal directly with the subject, or subjects, that most appeal to you. Prices quoted are postpaid.

**Garden Guide.** By many experts. A complete handbook for the amateur gardeners on flowers, fruits and vegetables and every other phase of gardening. 388 pages and over 275 teaching illustrations. **Paper \$1.10; cloth \$1.65.**

**Rock Garden Primer.** By Archie Thornton. Covering the subject from the ground up for the beginner. 152 pages, 4 color plates, 70 illustrations. Imitation leather, **\$2.15.**

**The Book of Annuals.** By Alfred C. Hottes. A reliable guide on the cultivation and use of these popular favorites. 182 pages, 155 illustrations, **\$1.65.**

**The Book of Perennials.** By Alfred C. Hottes. How to grow and enjoy the most durable of all the border plants. 280 pages, over 100 illustrations. **Cloth, \$1.65.**

**1,001 Garden Questions Answered.** By Alfred C. Hottes. In this book will be found a wealth of garden facts which hundreds of men have spent their lives in obtaining. 320 pages. **Paper \$1.65; cloth \$2.15.**

**Adventures in Dish Gardening.** Patten Beard. The fascinating art of making gardens in dishes. Every angle explained through 69 full-page illustrations and text. 220 pages, imitation leather, **\$2.65.**

**Practical Landscape Gardening.** By Robert Cridland. For the owner of a modest home, telling how to plan and plant from a 20-foot plot up. 280 pages. **Cloth, \$2.65.**

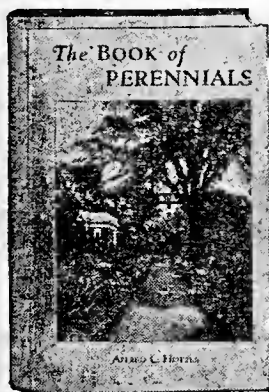
**Water Gardens and Goldfish.** By R. V. Sawyer and E. H. Perkins. Two closely related subjects presented under the one cover. 112 pages. **Cloth \$1.65.**

**Milady's House Plants.** By F. E. Palmer. For those seeking success with plants in the home. 176 pages. **Paper \$1.10; cloth \$1.35.**

**Modern Dahlia Culture.** By W. H. Waite. One book the Dahlia grower needs. 132 pages; four full page color plates, **\$1.65.**

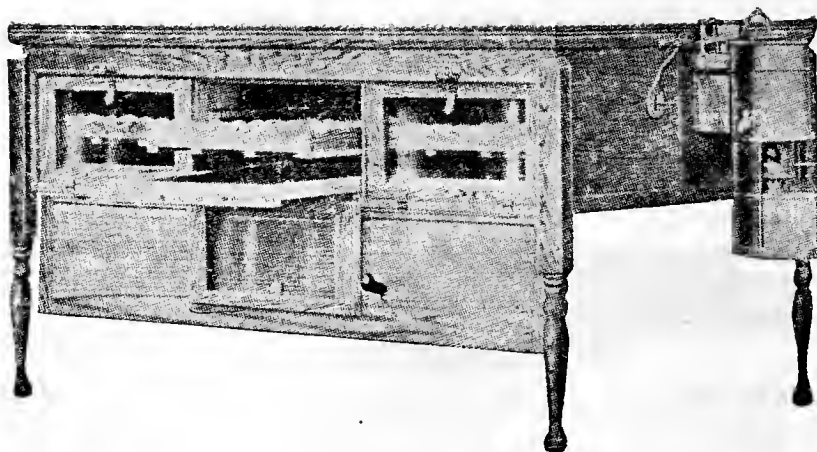
**Rose Garden Primer.** By Eber Holmes. Tells the truth about rose growing at home for pleasure. 224 pages, **\$1.90.**

**Practical Plant Propagation.** By Alfred C. Hottes. An amateur's book of the art and science of increasing plants, **\$2.15.**



# QUEEN Incubators

The Standard machine for this dry climate. The Queen always has returned good hatches and will enable you to save money over paying hatchery prices for baby chicks.



No. 21-K—130 Egg Cap. <b>Special Price</b> .....	<b>\$13.75</b>
No. 22-K—220 Egg Cap. <b>Special Price</b> .....	<b>18.40</b>
No. 1—Heavy Model, 85 Egg Cap. <b>Special Price</b> .....	<b>13.75</b>
No. 2—Heavy Model, 135 Egg Cap. <b>Special Price</b> .....	<b>19.75</b>
No. 3—Heavy Model, 180 Egg Cap. <b>Special Price</b> .....	<b>22.25</b>
No. 4—Heavy Model, 275 Egg Cap. <b>Special Price</b> .....	<b>28.90</b>

**Freight Prepaid to Your Station**

## Special Offer to Clean Up This Line

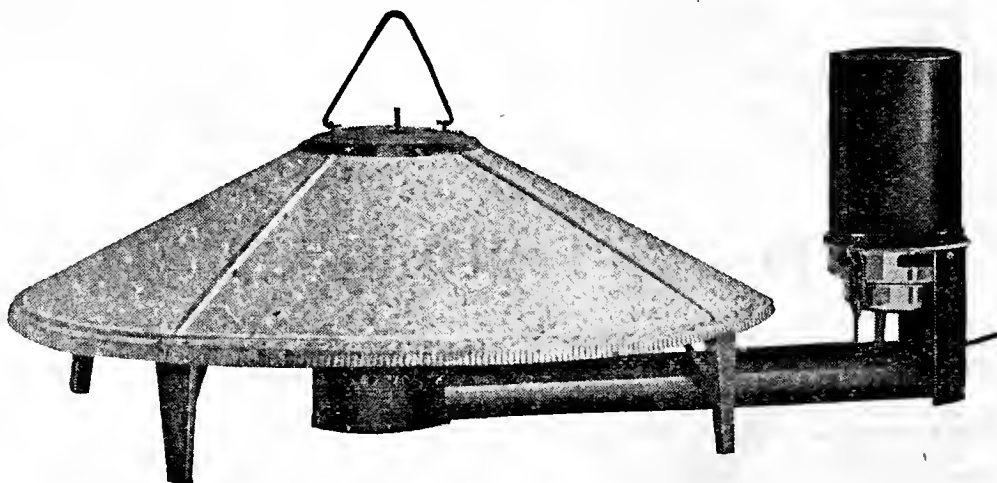
**Buckeye Incubators, No. 1, 110 Egg Cap. Splendid machines. Each, \$14.95.**

**Freight Prepaid to Your Station**

# QUEEN OIL BURNING BROODERS

The illustration shows the extra strong construction of the canopy legs. Note how sturdily they are braced—an innovation in brooders.

**Clear,  
Regular Heat  
from a Clear,  
Blue Flame**



## Special Freight Prepaid Prices to Close Out This Line.

300 chick size, 32 inch hover.....	<b>\$ 8.35</b>
600 chick size, 42 inch hover.....	<b>9.75</b>
1000 chick size, 52 inch hover.....	<b>10.50</b>

**Drew Line Brooders.** Special clean-up prices to close out the line. These are the finest brooders of their kind we have ever shown. Thermostatic control of heat. Safe, efficient, and offered at bargain prices. **Freight prepaid to your station.**

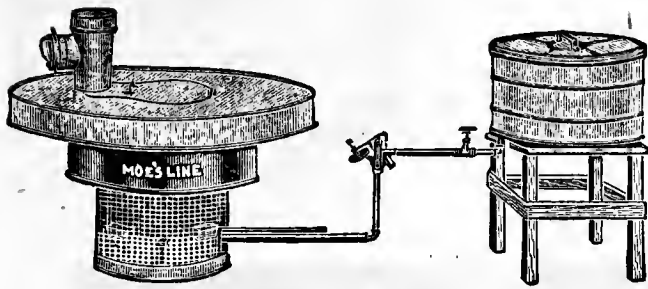
300 chick size, 32 inch hover.....	<b>\$ 9.35</b>
500 chick size, 42 inch hover.....	<b>10.75</b>
1000 chick size, 52 inch hover.....	<b>11.50</b>

Call or write in for list and description of other poultry house equipment and supplies at bargain prices. We are closing out a number of perfectly good lines at prices that will thrill you.



# MOE'S DRUM TYPE OIL BROODERS

1932 Models—The Best Drum Type Brooder



**No. 236 Brooder.** Complete with canopy, galvanized tank, galvanized  $\frac{1}{4}$ -inch pipe and all fittings. Smoke pipe tee and Draft Adjuster. All complete, freight prepaid to your station. **ONLY \$30.00.**

A modern dependable heater for brooder houses. Has an improved powerful burner which starts on, and burns ordinary distillate (38-40) fuel oil, or will burn kerosene if preferred.

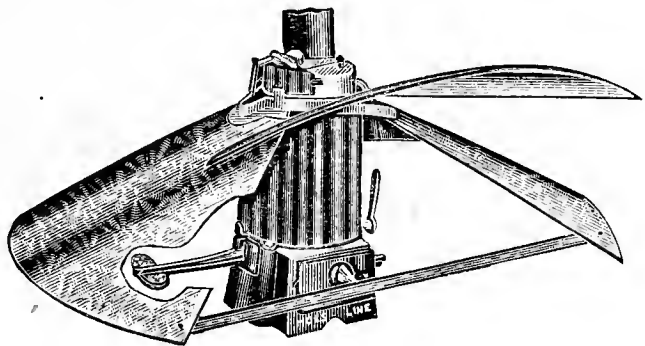
No wicks or lighting rings necessary. Has a very wide range from a tiny flame to a powerful hot blast, always with perfect combustion and economy in the use of fuel.

**Automatic Control.** The heat is constantly and automatically regulated by a simple and positive thermostatic control, so that an even uniform heat is maintained under all conditions.

## MOE'S DOUBLE DRAFT BROODER STOVES

This Is the Stove Brooder We Have All Been Looking For

A thoroughly reliable, highly efficient and practical brooder. Has large, deep corrugated fire pot, and burns most any kind of fuel. The fire bowl is of heavy cast iron and is wider at the base than at the top, allowing fuel to feed freely without clogging. The **corrugated** design greatly increases the amount of heat radiated.



	Diameter of Hover	Chick Capacity	Diam. of Fire Pot	Pipe Size	Price, Complete
No. 112 .....	42 inches	500	10 inches	4 inches	<b>\$17.65</b>
No. 113 .....	52 inches	1000	11 inches	5 inches	<b>21.75</b>
No. 116 .....	56 inches	1200	13 inches	5 inches	<b>27.00</b>

Freight Prepaid to Your Station

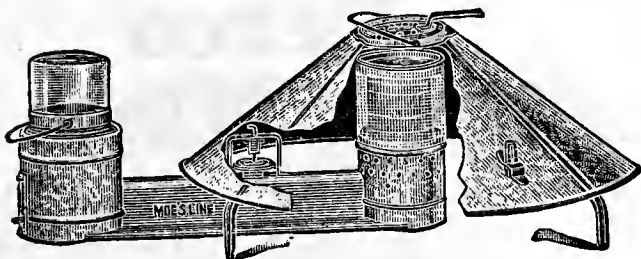
**Adjustable Roof Saddles.** 4 inch \$1.75 prepaid; 5 inch \$1.85 prepaid.

**Black Iron Stove Pipe.** 2 foot lengths, 4 inch 20c each; 5 inch 25c each.

**Elbows.** Same price as pipe. **Adjustable Elbows,** 4 inch 35c each; 5 inch 40c each.

**Wafer Thermostats for Stove Brooders.** 3 inch double brass, fit any stove brooder, 40c each. Pipe, Elbows, and Wafers prepaid.

## MOE'S AUTOMATIC BLUE FLAME OIL BROODERS



**Moe's 1932 Model Automatic Blue Flame Oil Brooder**

This BROODER has the valuable THERMOSTATIC CONTROL, see wafer in illustration. This feature insures a steady, clean and uniform heat without fumes or odor. Also has a simple hand control that can be used if desired.

Moe's AUTOMATIC OIL BROODERS are high grade, thoroughly reliable and efficient, no complicated parts, easy to operate, and automatically maintain the desired temperature without constant watching.

No. 225, 34" canopy, 300 chick cap.....	<b>\$14.75 Prepaid</b>
No. 226, 42" canopy, 500 chick cap.....	<b>17.50 Prepaid</b>
No. 227, 52" canopy, 1000 chick cap.....	<b>20.00 Prepaid</b>

# CONKEY'S POULTRY FEEDS

When egg and produce prices are low, the necessity for the best possible in the way of Starting Feeds and Laying Mash is self evident. The best way to "cash in" on poultry profits is to raise every chick possible, and to develop a heavy laying type that will show a decent profit. This can only be done by using high grade feeds throughout the whole period of growth. CONKEY'S feeds are known to Colorado breeders as one of the best on the market and we believe we are doing as we would be done by when we urge their use.

## *This Famous* **CHICK MASH** *Now* **Vitalized**

**with Conkeys** 

You can now buy Conkeys (the Original) Buttermilk Starting Feed with Conkeys Y-O already mixed in. This ideal combination insures baby chicks the correct amount of all food elements. Scientifically proportioned, plus an abundance of the necessary A, B and D Vitamins, the result is a Starting Feed that promotes more rapid growth, better health, sturdier frames, stronger bones, lower death rate and no leg weakness. Feed it the first 6 weeks.

**Conkeys** (the Original) Starting Feed  
with Buttermilk and Y-O

Conkeys Starting Feed with Buttermilk contains buttermilk, milk albumen, meat meal and purest of other ingredients carefully mixed and blended with Y-O. Conkeys Y-O is that product of Imported Brewers' Yeast impregnated with Cod Liver Oil, which seals and holds for a long time the vitamins of Cod Liver Oil. It, therefore, contains an abundance of Vitamins A, B and D.



Prices quoted are subject to market changes, F. O. B. Denver, delivered free to freight or express offices.

### Conkey's Buttermilk Starting Feed with Y-O

100 lb. bags.....	\$3.90 cwt.
50 lb. bags.....	2.00 each
25 lb. bags.....	1.15 each
10 lb. bags.....	.50 each
5 lb. bags.....	.25 each
1000 lb. lots.....	3.80 cwt.
2000 lb. lots.....	3.75 cwt.

### Conkey's Gecco Growing Mash with Y-O

100 lb. bags.....	\$3.30 cwt.
50 lb. bags.....	1.75 each
25 lb. bags.....	1.00 each
10 lb. bags.....	.45 each
1000 lb. lots.....	3.20 cwt.
2000 lb. lots.....	3.10 cwt.

### Conkey's Gecco Egg Mash with Y-O

100 lb. bags.....	\$2.95 cwt.
50 lb. bags.....	1.65 each
25 lb. bags.....	.90 each
1000 lb. lots.....	2.85 cwt.
2000 lb. lots.....	2.75 cwt.

### Fine Chick Food (Chick Scratch, or Hoyt's Mixture)

100 lb. bags.....	\$2.25 cwt.
50 lb. bags.....	1.25 each
25 lb. bags.....	.75 each

**Crushed Oyster Shell.** Clean, screened. Either chick or hen size. 100 lb. bags \$1.25; 50 lbs. 80c; 25 lbs. 50c; 10 lbs. 25c.

**Charcoal.** Either chick or hen size. 100 lbs. \$2.65; 50 lbs. \$1.35; 25 lbs. 80c; 10 lbs. 50c; 5 lbs. 30c.

**Pure Dried Buttermilk.** 100 lbs. \$7.00; 50 lbs. \$4.00; 25 lbs. \$2.20; 10 lbs. \$1.00.

**Steel Cut Oats, Oat Flour, Oat Groats, or Rolled Oats,** \$2.75 cwt.

**Fill the  
Egg Basket**

It's easy if you use the right feed—

**Conkey's  
Gecco  
Egg Mash**

Contains 20% animal food and 20% protein—low in fibre. Scientifically proportioned to induce heavy egg production without unnatural "forcing." (75-D)

Sold by

# WATER FOUNTAINS AND FEEDERS

## For Chicks and Chickens

### O. K. Fountains

**No. 400 O. K., \$4.90, postpaid \$5.10.** This is an insulated fountain with drinking space all around the fountain. Keeps water warm in cold weather, or cool in warm weather. Excellent as a baby chick fountain by removing from the base and placing flat on the floor. Made of copperzide galvanized iron, which lasts much longer than the ordinary galvanized. Equipped with handy appliance to release the water instead of the old cork style. Made in two sections that come apart, making it easy to clean. Many poultry raisers tell us this is the finest waterer they have ever used.

**No. 3 O. K. Super Heated Fountain.** 2½ gallon capacity, similar to the No. 400, except that it has a lamp in the base, guaranteeing warm water in the coldest weather. Price \$3.25, postpaid \$3.40.

**No. 4 O. K.** Same as above except holds 5 gallons. Price \$4.30, postpaid \$4.50.

**No. 10 O. K.** 10 gallons capacity. Price \$6.35, postpaid \$6.60.



No. 400 O. K.

### Mason Jar Fountains

**No. 142.** Fits any standard jar, pint, quart, or 2-quart. Galvanized, each 10c; 1 doz. for \$1.00, postpaid. Same style in charcoal tin for buttermilk, each 10c; 1 doz. for \$1.00, postpaid.

**No. 32, Star Shaped.** Galvanized. Each 10c; 1 doz. for \$1.00, postpaid.

### Bottom Fill Fountains

Made in two pieces, easy to clean.

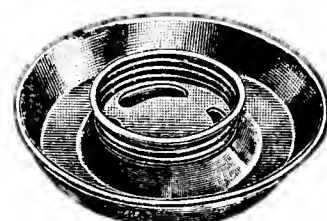
**No. 19.** 1 quart capacity. Each 25c; 1 doz. for \$2.50, postpaid.

**No. 20.** ½ gallon capacity. Each 35c; 1 doz. for \$4.00, postpaid.

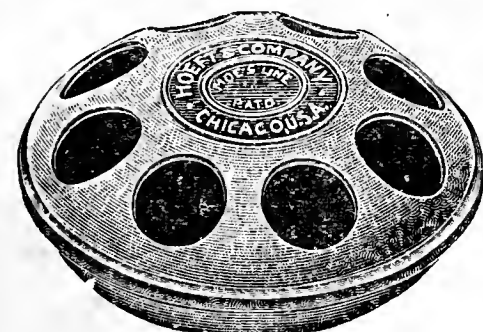
**No. 24.** 1 gallon capacity. Each 50c; 1 doz. for \$5.50, postpaid.



Bottom Fill Fountain



No. 142  
Mason Jar Fountain



Moe's Round Chick Feeder

### Moe's Round Chick Feeder

Is in great demand. It keeps the feed pure and prevents waste. Top comes off but is so made that chicks or hens cannot remove it.

**No. 11.** 6 in. diameter, 8 feed holes. Each 12c; 1 doz. for \$1.20, postpaid.

**No. 12.** 8¼ in. diameter, 12 feed holes. Each 25c; 1 doz. for \$2.50, postpaid.

**No. 131.** For buttermilk, 8 holes. Each 20c; 1 doz. for \$2.25, postpaid.

**No. 132.** For buttermilk, 12 holes. Each 35c; 1 doz. for \$4.00, postpaid.



Moe's Eclipse Feeding Trough

### Eclipse Feeding Troughs

Nos. 137 and 138 made of charcoal tin for feeding milk or buttermilk.

**No. 27**—10 in. long, 10 holes.....Each 25c  
**No. 28**—20 in. long, 20 holes.....Each 30c  
**No. 137**—10 in. long, 10 holes.....Each 30c  
**No. 138**—20 in. long, 20 holes.....Each 40c

6 for \$1.25	1 doz. for \$2.40
6 for 1.65	1 doz. for 3.00
6 for 1.60	1 doz. for 3.00
6 for 2.00	1 doz. for 4.00



Double Chick Feeder

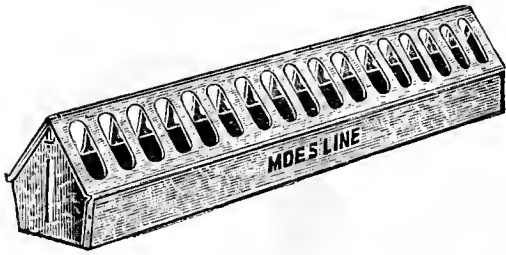


Single Chick Feeder

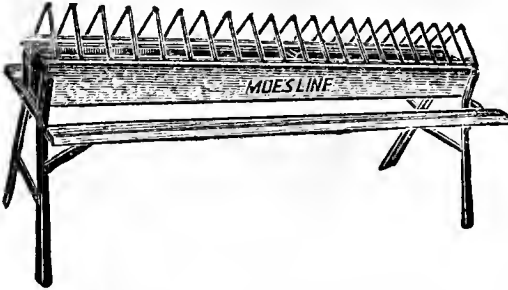
No sharp or rough edges. Well made of galvanized steel. Sliding top, easy to fill and clean. Just what you want. Prices quoted are postpaid.

<b>No. 55</b> —Single, length 12 in., 9 holes.....	Each 25c	Doz. \$2.50
<b>No. 56</b> —Single, length 18 in., 13 holes.....	Each 35c	Doz. 3.50
<b>No. 57</b> —Single, length 24 in., 18 holes.....	Each 40c	Doz. 4.00
<b>No. 58</b> —Double, length 12 in., 18 holes.....	Each 30c	Doz. 3.00
<b>No. 59</b> —Double, length 18 in., 26 holes.....	Each 40c	Doz. 4.00
<b>No. 60</b> —Double, length 24 in., 36 holes.....	Each 50c	Doz. 5.00
<b>No. 76</b> —Double, length 36 in., 54 holes.....	Each 70c	Doz. 7.00

## FOUNTAINS AND FEEDERS—Continued



**Moe's Intermediate Feeder**



**Moe's Five-Foot Feeder**

A New Five-Foot Feeder with Removable Trough

### Moe's Intermediate Feeder

Length of feeder 32 in., width 8 in., depth of pan  $3\frac{1}{2}$  in., total height 7 in. Capacity 12 quarts of feed. Has a total of 34 feeder holes, 17 on each side.

No. 154. Galvanized Intermediate Feeder. Each \$1.45; dozen \$14.50, postpaid.

No. 155. Bright Tin Plate Feeder and Waterer. Each \$2.00, postpaid.

### FOR MILK OR BUTTERMILK

### Moe's Five-Foot Feeder

The trough is made of extra heavy galvanized steel and holds 32 quarts of feed. It is five feet long, 8 in. wide and 5 in. deep. Has wide turned-in flanges on each side to prevent waste of feed.

The wire guards are of heavy No. 7 hard galvanized wire, correctly spaced, and electrically welded. Hinged in one unit, so the entire guard can be thrown back for filling and cleaning.

**Removable Trough.** The trough rests securely on the stand, but is not bolted down and can be easily lifted off to dump and clean it, which is a highly desirable feature.

The stand has strong angle iron legs, well braced, complete with stout wooden perches.

Total height of stand 27 in. Height of perches 17 in.

No. 355. Complete with stand and wire guards. Each, prepaid, \$5.75.

No. 356. Trough only, with wire guards (no stand). Each, prepaid, \$3.75.

### Gem Chick Fountains

A good, inexpensive fountain for chicks or grown fowl. Made of galvanized steel. Easy to fill and clean. The fluted pan is shaped to care for up to 18 chicks at a time without crowding or danger of getting the chicks wet. Diameter of pan, 10 in. Has a substantial top handle for carrying. In two sizes.

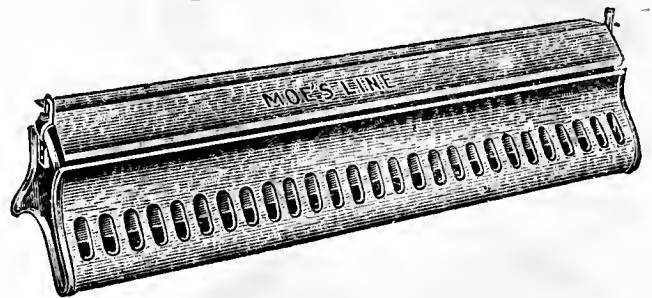
No. 158. 1 gallon capacity. Each 65c; doz. \$6.50, postpaid.

No. 159. 2 gallon capacity. Each 90c; doz. \$9.00, postpaid.



**Gem Chick Fountain**

### Tilting Top Large Capacity Feeder



No. 141-T. This Feeder has a tilting or swinging top so that chickens cannot perch on it. A fine feeder for large or small flocks. Capacity 17 quarts. Length 35 in., width  $8\frac{1}{2}$  in., height 9 in. Has 27 feeder openings on each side or a total of 54 feeder holes. Each \$1.95; per doz. \$19.50; postpaid \$23.40.

No. 140. 32 holes. Each \$1.20, postpaid.

## MISCELLANEOUS POULTRY REQUISITES

### Egg Preservers

We recommend "FLEMING'S EGG KEEP," an egg paste, quickly applied with the hands, that will keep a fresh egg fresh for from six to ten months.

2 oz. can (sufficient for 60 to 90 doz. eggs) 50c; 4 oz. can 75c, postpaid.

Lee's Egg-O-Latum. 2 oz. jar. 50c; 8 oz. jar \$1.00, postpaid.



**Water Glass.** Pint can (enough for 12 doz.) 25c; quart 40c; half gallon 70c, postpaid.

### Nest Eggs

Porcelain or Lime, 3 for 10c; 35c doz. Add 10c doz. if by mail.

### Caponizing Instruments

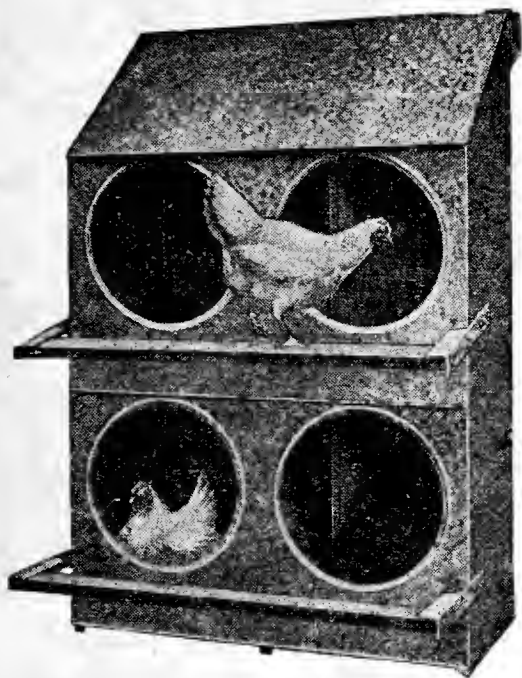
Pilling's "Philadelphia" \$2.50; "Farmer" \$3.00; "Special" \$4.00; "Jersey" \$4.50; "Farmer Miles" \$5.00; "Twining" \$4.00; "Lansdowne No. 1" \$4.00; "Lansdowne No. 2" \$3.50. We recommend the "Lansdowne No. 1." All postpaid.



**Fleming's Egg Keep**

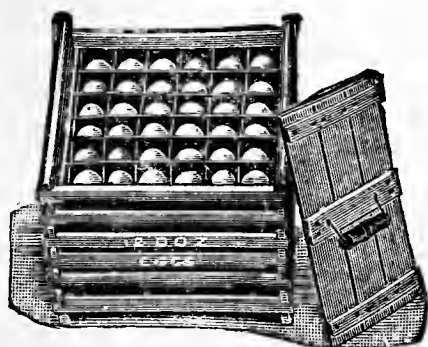


# POULTRY HOUSE EQUIPMENT



**The one perfectly ventilated trap nest**

**Standard Trap Nest.** 4-hole section \$6.00; 2 sections (8 holes) \$10.00; 3 section 12 holes) \$12.50. Traps 45c each.



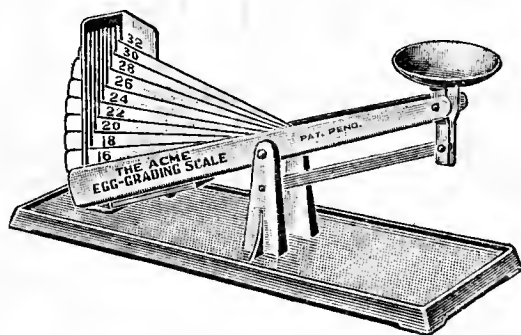
**Humpty-Dumpty Egg Crate**

Light slat construction, yet perfectly safe for shipping eggs to market.

6 dozen size.....	\$0.70; postpaid.....	\$0.80
9 dozen size.....	.75; postpaid.....	.85
12 dozen size.....	.80; postpaid.....	.95
15 dozen size.....	.85; postpaid.....	1.00



The leading oat sprouter. We are closing out this line. Write for list of sizes on hand and close-out prices. You will be surprised to see how prices have been cut. Sizes from 25 hen to 500 hen capacity.



**Acme Egg Grading Scale**

Every poultryman must "know his eggs" and market them on a graded basis if he is to receive the highest possible returns. The many movements afoot encouraging the sale of eggs by grades, and the laws enacted by several states requiring the grading of eggs, will greatly improve the poultry business. This Acme Scale is used by more than a hundred state institutions. Made in 2 styles.

**No. 1.** Adapted to A. P. A. requirements, grades 16-18-20-22-24-26-28-30-32 oz. \$2.85 postpaid.

**No. 2.** Adapted to Pacific coast requirements, grades 18-19-20-21-22-23-24-25-26 oz. \$2.85 postpaid.

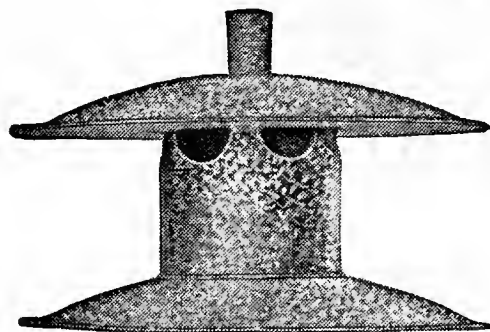
A safeguard against overheating and chilling the chicks or eggs. One should be used in every brooder house and incubator. The Wake-O gives a continuous signal when temperature rises or drops beyond the point at which the controls are set. They can be adjusted for any range of temperature desired.

Safe fire insurance is thus afforded, as well as a guard against chilling or heating of chicks and eggs.

Price \$4.65, complete, except for standard dry cell. Postpaid.



**Wake-O Temperature Alarm**



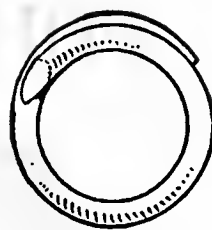
**The Putnam Brooder Heater**

The Putnam Brooder Heater makes an excellent heater for small brooders. Ample for lots of 30 to 40 chicks. It requires tending and refilling only once a week and can be depended upon to furnish a regular supply of heat. Price complete, with instructions for making a home-made brooder \$4.75 postpaid. Extra wicks 5c each, 40s doz.

The Little Putnam Stove is nine inches in diameter and four inches high and BURNS THREE TO FOUR WEEKS WITHOUT REFILLING OR OTHER ATTENTION. Excellent as a fountain heater in cold weather. Price complete \$2.00 postpaid. Extra wicks 25c doz.



# LEG BANDS FOR POULTRY, PIGEONS, TURKEYS



## Colored Spirol Leg Bands

Made of celluloid in the following non-fading colors: White, Black, Red, Garnet, Pink, Green, Dark Blue, Light Blue, Purple, and Yellow. Please be sure to order by number, otherwise we may send the wrong size. Prices quoted are postpaid.

### Spirol Leg Band

POSTPAID PRICES FOR SPIROL LEG BANDS					
	12	25	50	100	1000
No. 96—Baby chick size.....	\$0.10	\$0.20	\$0.30	\$0.50	\$4.00
No. 95—Pigeon size .....	.10	.20	.30	.60	4.25
No. 94—Bantam size .....	.15	.25	.35	.65	4.50
No. 93—Leghorn size .....	.15	.25	.40	.75	5.50
No. 92—Red or Rock size .....	.15	.25	.45	.85	6.00
No. 91—Orpington size .....	.20	.35	.50	.90	7.50
No. 398—Turkey size .....	.25	.40	.60	1.10	9.00

## Colored Lockfast Bands

Similar to the No. 130 Aluminum, except that the whole band is colored. We have them in three colors: Blue, Green and Red. Numbered 1 to 100. Please order in lots of 50 or 100. Prices are postpaid.

50 for.....	\$0.50	500 for.....	\$4.00
100 for.....	.90	1,000 for.....	7.00

## "Reliable" Numbered Bands

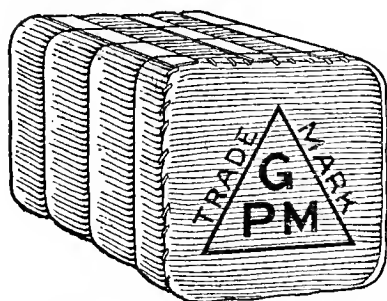
Wider and heavier than No. 130, with colored numbers. We have them in Blue, Green and Red. Please order in lots of 25, 50 or 100. Prices are postpaid.

25 for.....	\$0.50	500 for.....	\$ 8.00
50 for.....	.95	1,000 for.....	15.00
100 for.....	1.80		

## "Bandettes"

A Spirol celluloid band about 3/8-in. wide. The band is a bright red with a prominent black number. Packed 25 in a box.

25 for.....	\$0.50	500 for.....	\$ 7.00
50 for.....	.95	1,000 for.....	13.50
100 for.....	1.75		



## "Victor" Numbered Bands

Very wide with extra prominent colored number. Intended for marking exhibition birds or for trapnesting.

25 for.....	\$0.90	500 for.....	\$15.00
50 for.....	1.75	1,000 for.....	25.00
100 for.....	3.40		

## No. 130 Aluminum Leg Bands



### No. 130 Aluminum Leg Band

The best numbered leg band for ordinary marking. Large, raised numbers that are easy to read. Adjustable for any size fowl. Packed in cartons of 12, 25, 50 and 100 bands each. Numbered 1 to 12, 1 to 25, 1 to 50, 1 to 100, 101 to 200, etc., up to 9,999, which is the largest number made. Prices are postpaid.

### No. 130 Aluminum. Numbered, Adjustable Leg Bands.

12 for.....	\$0.15	100 for.....	\$0.55
25 for.....	.25	500 for.....	2.50
50 for.....	.35	1,000 for.....	4.25

**Peat Moss Poultry Litter** prevents dampness, is sanitary, practically fireproof, economical, absorbs odors, keeps birds clean, saves labor, and prevents the spread of disease. When ready to remove, after 8 to 12 months continuous use, it makes a wonderful fertilizer and is worth more for that purpose than its original cost. **Half bales \$2.65; original bales (19-20 bushels) \$4.00; 5 bales at \$3.75; 10 bales at \$3.50 per bale; f. o. b. Denver.**

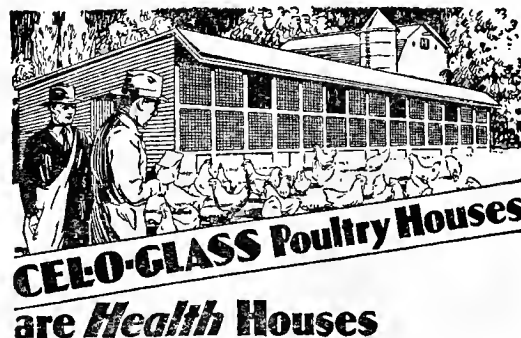
# CEL-O-GLASS AND GLASS CLOTH

**CEL-O-GLASS.** Genuine Cel-O-Glass, made by Acetol Products Co., is the strongest and best made of the screen-wire base products. Since May, 1930, a new process has been used, resulting in a longer life article. Prices quoted below are postpaid.

36 inches wide, per running yard.....	\$ 1.20
25-foot roll (8 1/3 sq. yds.).....	9.50
50-foot roll (16 2/3 sq. yds.).....	18.00
100-foot roll (33 1/3 sq. yds.).....	34.50



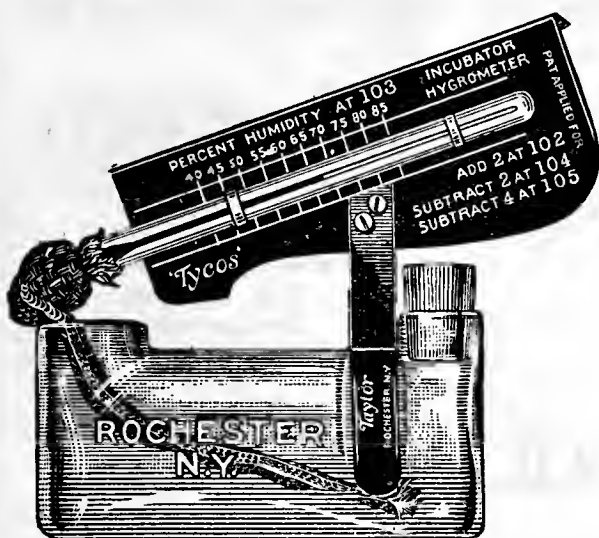
Full 36 inches wide



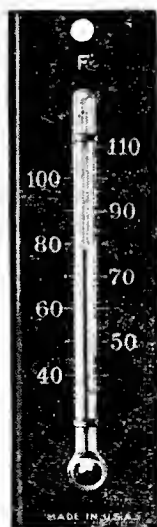
**NEW VIO-RAY GLASS CLOTH.** Each year sees improvements in the manufacture of these products. The New Vio-Ray Glass Cloth will wear longer because it is more moisture-proof than other cloth materials. Price:

Per square yard .....	\$ 0.24, postpaid
25 yards for.....	5.50, postpaid
50 yards for.....	10.50, postpaid
100 yards for.....	20.00, postpaid

# THERMOMETERS AND HYGROMETERS



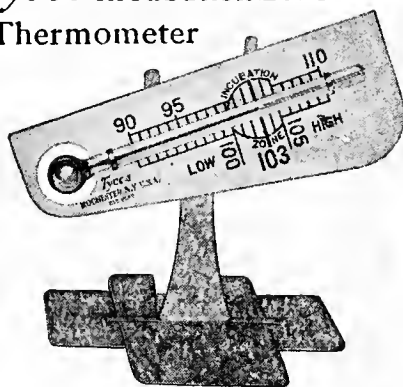
**Tycos Hygrometer No. 5796**



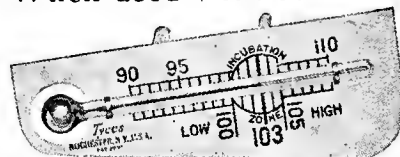
**No. 5794  
Brooder  
Thermometer**

No. 5776

*Tycos* Incubation-Zone  
Thermometer



When used with Stand



When used without Stand

**"Tycos" Hygrometer No. 5796.** No incubator should be run without a HYGROMETER, as it is necessary to have just the correct amount of moisture throughout the hatch. Full instructions with each hygrometer. **Packed one in a box, complete for \$1.75, postpaid. Extra wicks, each 15c, postpaid.**

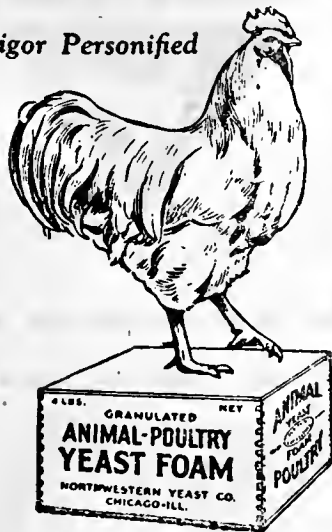
**"Tycos" Incubator Thermometer No. 5776.** Used with or without stand. Price, complete with stand, **75c, postpaid.**

**"Tycos" Certified Incubator Thermometer No. 5783.** Similar to No. 5776, but certified and guaranteed absolutely accurate. Price, complete with stand, **\$1.15, postpaid.**

**"Tycos" Brooder Thermometer No. 5792.** Price **75c, postpaid.**

**"Tycos" Brooder Thermometer No. 5794.** Red liquid, easy to read. Price **50c postpaid.**

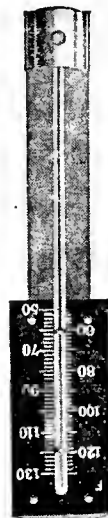
*Vigor Personified*



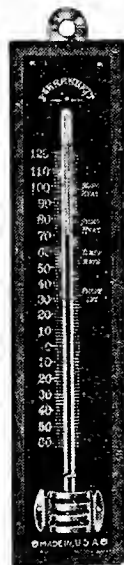
**"Tycos" Household Thermometer No. 5140-S.** Suitable to hang in poultry house, or for outside use. Price **50c, postpaid.**

**Animal-Poultry Yeast Foam** is now recognized as a necessity if proper growth and vigor are to be obtained. Yeast not only contains the Vitamin that promotes growth, but it makes digestable other foods that would be partially wasted were yeast not present. Free booklets describing its use and benefits.

**Northwestern Animal-Poultry Yeast Foam.** 4 lb. box **\$1.00**; 25 lb. box **\$6.00**; 100 lb. drum **\$23.00**; all prepaid.



**No. 5792  
Brooder  
Thermometer**



**No. 5140-S  
Household  
Thermometer**

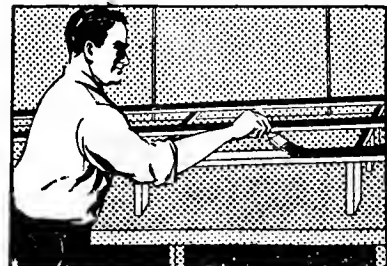
## Discovered: A NEW CONTROL FOR POULTRY LICE

### Black Leaf 40 Works While They Roost

It has been demonstrated that **"Black Leaf 40,"** undiluted, painted on the top side of the roost will control body lice. This saves the labor of handling each bird, either to dust, dip or grease. **"Black Leaf 40"** does not harm the birds nor retard egg production. We regard this discovery as one of the greatest aids to poultry raising in the last generation. One ounce of **"Black Leaf 40"** will paint from 12 to 15 feet of roosts. One pound will paint 190 to 240 feet.

**Prices**—One ounce bottle **35c**; five ounce bottle **\$1.00**; 1 pound bottle **\$2.25**; 2 pound tin **\$3.35**; 5 pound tin **\$6.25**; 10 pound tin **\$10.75**. **Black Leaf 40**, being a nicotine poison, cannot be sent through the mails.

## 'PAINT' THE ROOSTS



**WITH 'BLACK LEAF 40'**

# COD LIVER OIL

FOR POULTRY, DOGS  
FOXES, ETC.

The value of Cod Liver Oil is now recognized universally. Poultry, dogs, foxes, etc., respond quickly to its use. The market, however, is flooded with poor grades, making it difficult for those not informed to know how to order. We carry two brands, "Nopco Fortified" and "Ko-Vita." We believe these oils to be the best obtainable and their cost is reasonable.

**Nopco Fortified Cod Liver Oil.** The National Oil Products Co. is exclusive licensee in the United States and Canada of a process developed by Dr. Theodore F. Zucker, of Columbia University, of fortifying the vitamin potency of Cod Liver Oil. This FORTIFIED oil will go twice as far as other oils in feeding, on account of this increased potency. The ordinary feeding ration is 1%, but in using NOPCO FORTIFIED OIL we recommend but ½ of 1%.



Nopco Fortified Cod Liver Oil, quart cans .....	\$ 0.75, postpaid \$ 0.85
Nopco Fortified Cod Liver Oil, half gallon cans .....	1.40, postpaid 1.55
Nopco Fortified Cod Liver Oil, gallon cans .....	2.60, postpaid 2.80
Nopco Fortified Cod Liver Oil, 5 gallon cans.....	12.30, postpaid 12.80

# WORMS IN POULTRY

It is a known fact that most poultry flocks are more or less infected with worms, and that worms must be eradicated if results are to be obtained. Wormy fowls will eat more than they should and produce less, hence it is readily seen that wormy flocks are not profitable. BARNES EMULSION is recommended because it is not a poison, rather it acts as a tonic. Two treatments are possible, both described fully in the BARNES BOOKLET, sent free on request. The use of BARNES EMULSION at regular intervals is not expensive and will prevent worms forming. When worms are present a 30-day treatment in the drinking water will be found advisable.

Where tape worms are suspected, we suggest the Kamala or Nema Capsule treatment. as it acts quicker than anything else. **PRICES INCLUDE POSTAGE.**

## BARNES EMULSION

Pint size, enough for 12 fowls.....	\$ 0.60
Quart size, enough for 25 fowls.....	1.00
Gallon size, enough for 100 fowls.....	3.00
5-gallon kegs, enough for 500 fowls.....	12.50



## KAMALA NICOTINE CAPSULES

Box of 50.....	\$ 1.00
Box of 100.....	1.50
Box of 200.....	2.80
Box of 300.....	3.90
Box of 1000.....	10.00

## NEMA WORM CAPSULES, PARKE DAVIS & CO.

No. 188, for baby chicks and turkeys three weeks old or older. **Box of 12 for 25c; box of 50 for 60c.**

No. 187, for chickens and turkeys, adult fowls up to 6 pounds. **Box of 12 for 35c; box of 50 for \$1.00.**

Ask for free booklet on NEMA CAPSULES for poultry, dogs, hogs, etc.  
For Pan-A-Min Worm Powder, see page 47, Hess & Clark Preparations.  
For Lee's Gizzard Capsules, see page 48.

## IODOPHENE, the Infectious Bronchitis Treatment

No. 21, for colds. No. 7-A, for worms and intestinal parasites.

### IODOPHENE No. 21

2 oz. bottle...\$	1.00
4 oz. bottle...	2.00
8 oz. bottle...	3.75
16 oz. bottle...	5.00
1 gal. bottle..	20.00



### Postpaid IODOPHENE No. 7-A

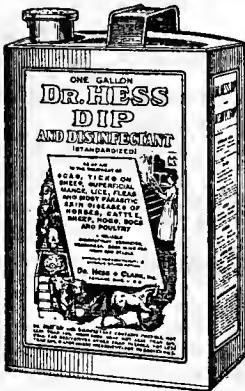
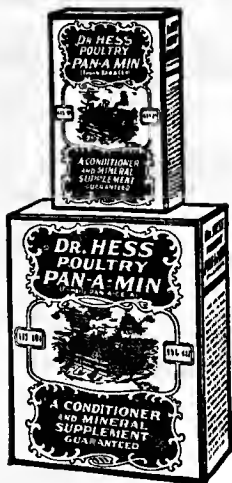
1 oz. bottle...\$	1.50
2 oz. bottle...	3.00
4 oz. bottle...	5.50
8 oz. bottle...	10.00
16 oz. bottle...	18.00

**NOTE**—A 2 oz. bottle of IODOPHENE No. 21 is treatment for 25 adult birds for 30 days. The cost should be returned fourfold in increased egg production without taking into consideration the fact that the flock will be practically immune from disease.

# Dr. Hess & Clark's Poultry Preparations

This line, affectionately known among poultrymen and stock raisers, as THE HESS LINE, leads all others in the field. Every item in the whole list is the result of thorough test and experimentation. Many flocks of chickens are kept at the HESS farms and each preparation is the result of months, possibly years, trial. When you use one of these tonics or remedies, you are eliminating all guess work.

See Page 50 for Dr. Hess Stock Preparations



**Dr. Hess Poultry Pan-A-Min** (formerly called Pan-A-Cea).

3 lb. package.....	\$ 0.65, postpaid
7 lb. package.....	1.25, postpaid
15 lb. package.....	2.25, postpaid
25 lb. package.....	3.50, postpaid
100 lb. drum.....	12.00, prepaid

**Dr. Hess Poultry Ver-Mi-Trol** (formerly called Worm Powder). When mixed with the feed will control worms in poultry.

4 lb. package.....	\$ 1.50, postpaid
10 lb. package.....	3.25, postpaid
25 lb. package.....	7.50, postpaid

**Dr. Hess Instant Louse Killer**

1 lb. package.....	\$ 0.30, postpaid
2½ lb. package.....	.60, postpaid

**Dr. Hess Poultry Tablets** (formerly called Roup Tablets).

Medium size package.....	\$ 0.50, postpaid
Large size package.....	1.00, postpaid

**Dr. Hess Chick Tablets** (formerly called Diarrhoea Tablets).

Medium size package.....	\$ 0.50, postpaid
Large size package.....	1.00, postpaid

**Dr. Hess Dip and Disinfectant.** Forms a milky white solution when mixed with water. Rated equal to any and better than most.

12 oz. bottle.....	\$ 0.50, postpaid
Quart cans .....	.75, postpaid
Half gallon cans .....	1.25, postpaid
Gallon cans .....	2.25, postpaid
5 gallon cans.....	8.75, prepaid
30 gallon barrels.....	39.00, prepaid
50 gallon barrels.....	59.00, prepaid



## CARBOLA

A disinfecting white paint in powder form. Can be sprayed on like whitewash, or applied with brush. We have a special bucket pump for spraying Carbola or whitewash, No. 327 Brass Bucket Spray Pump, \$3.25 postpaid.

5 lb. pkg. (makes 5 gallons) 75c, postpaid 90c; 10 lb. pkg. \$1.25; postpaid \$1.45; 25 lb. bag \$3.00, postpaid \$3.40; 50 lb. bag \$5.00, postpaid \$5.60.

# Pratts

## POULTRY PREPARATIONS

These Prices Are Postpaid

- Pratt's Poultry Regulator.** 26 oz. pkg. 30c; 4 lb. pkg. 60c; 12 lb. pkg. \$1.75; 25 lb. bag \$3.00; 100 lb. bag \$10.50.
- Pratt's Powdered Lice Killer.** 1 lb. pkg. 30c; 2½ lb. pkg. 60c.
- Pratt's Poultry Worm Powder.** 2 lb. pkg. 60c; 4½ lb. pkg. \$1.20; 12 lb. bag \$2.20; 25 lb. bag \$3.85.
- Pratt's R-P Powder** (formerly called Roup Powder). Three sizes, 30c, 60c and \$1.20.
- Pratt's R-P Tablets** (formerly called Roup Tablets). Three sizes, 30c, 60c and \$1.20

- Pratt's Chick Tablets** (formerly called Chick Diarrhoea Tablets). 30c and 60c.
- Pratt's Dip and Disinfectant.** Pint cans 45c; quart cans 70c; half gallon cans \$1.20; gallon cans \$2.15.
- Pratt's Sore Head & Chicken Pox Preparation.** Two sizes, 35c and 70c.
- Pratt's Special Compound** (for diarrhoea). Two sizes, 30c and 60c.
- Pratt's Condition Tablets.** 30c and 60c.
- Pratt's Scaly Leg Ointment.** 35c and 70c.
- Pratt's N-K (Nicotine-Kamala) Capsules.**

### For Adult Fowls

50 for .....	\$ 1.00
100 for .....	1.75
500 for .....	7.00
1000 for .....	12.00

### For Chicks

50 for .....	\$ 0.65
100 for .....	1.00
500 for .....	4.50
1000 for .....	8.00



# LEE'S POULTRY PREPARATIONS

These Prices Are Postpaid

**Lee's Germozone.** 4 oz. bottle 40c; 12 oz. bottle 75c; 32 oz. bottle \$1.50; half gallon bottle \$2.50; gallon bottle \$4.50.

**Lee's Gizzard Capsules.** Adult size. 50 caps. \$1.00; 100 caps. \$1.75; 250 caps. \$4.00; 500 caps. \$7.00; 1,000 caps. \$12.00.

**Lee's Gizzard Capsules.** Chick size. 50 caps. 50c; 100 caps. 90c; 250 caps. \$2.00; 500 caps. \$3.50; 1,000 caps. \$6.00.

**Lee's Flu-Koff Emulsion.** 12 oz. bottle \$1.00; 32 oz. bottle \$2.00; half gallon bottle \$3.50; gallon bottle \$6.50.

**Lee's Dosing Syringes.** Each 25c.

**Lee's Nasal Syringes.** Each 75c.

**Lee's Vapo-Spray.** 32 oz. can 75c; half gallon can \$1.25; gallon can \$2.00; 5 gallon can \$8.75.

**Lee's Liquid Lice Killer.** Quart can 60c; half gallon can 90c; gallon can \$1.50.

**Lee's Louse Powder:** 1 lb. can 25c; 2½ lb. can 50c.

**Lee's Egg Maker.** 2 lb. carton 40c; 5 lb. carton 90c; 12 lb. pail \$2.00; 25 lb. pail \$3.75.

## Conkey's Poultry Preparations

These Prices Are Postpaid



**Conkey's Old Reliable Powder** (formerly Roup Powder). 30c, 60c, \$1.20.

**Conkey's Old Reliable Pills** (formerly Roup Pills). 30c, 60c, \$1.20.

**Conkey's Diatex** (formerly White Diarrhoea Remedy). 30c, 60c.

**Conkey's Sore Head Remedy.** 35c.

**Conkey's Canker & Bronchitis.** 60c and \$1.55.

**Conkey's Limberneck Remedy.** 65c.

**Conkey's Poultry Laxative.** 35c.

**Conkey's Poultry Worm Remedy.** 35c.

**Conkey's Scaly Leg Remedy.** 30c.

**Conkey's Lice Powder.** 5 oz. size 25c; 15 oz. 45c; 48 oz. 90c; 25 lb. pail \$5.75.

**Conkey's Mite Liquid.** 2 quarts 90c; 1 gallon \$1.50.

**Conkey's Head Lice Ointment.** 1 oz. 15c; 2½ oz. 30c.

**Conkey's Poultry Tonic.** 3¼ lb. pkg. 60c; 7 lb. pkg. \$1.20.

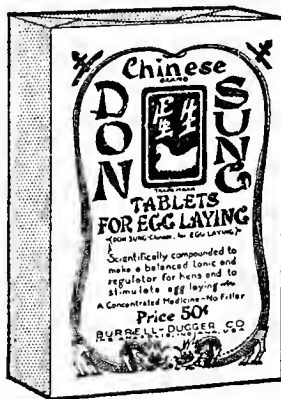
**Conkey's Nox-I-Cide.** 2 quarts \$1.50; gallon \$2.25.

**Conkey's Y-O.** 1 lb. pkg. 65c; 2 lb. pkg. \$1.15; 5 lb. pkg. \$2.25; 25 lb. drum \$9.00; 50 lb. drum \$16.00; 100 lb. drum \$27.50.

## Burrell-Dugger Poultry Preparations

These Prices Are Postpaid

**Don-Sung Tablets and Powder.** We have never found anything better to start pullets or moulting hens laying. It frequently happens that pullets will delay starting to lay, seeming to require some stimulant or tonic to get them started. The same condition prevails with moulting hens. Never let your flock hang back too long. This condition always comes just at the period of high egg prices and it is truly provoking to have a flock that you know should be producing, yet see them loaf along, consuming feed but not producing. Fifteen days' Don-Sung treatment will start a flood of eggs. Try it.



**Burrell-Dugger's Don-Sung Tablets.** Box of 45 tablets (treatment for 15 hens) 50c; box of 135 tablets (treatment for 45 hens) \$1.00; large box \$5.00. For large flocks we recommend Don-Sung in powdered form. Put up in following sizes: 3 lb. pkg. \$5.00; 10 lb. pail \$10.00; 25 lb. pail \$20.00. Use the \$20.00 size for flock of 1,000. The cost will be 2c per bird and should return 10 times that much in eggs.

**Burrell - Dugger's Roup-Over.** The best treatment we have found for roup, colds, canker, etc. Liquid. 50c, \$1.00 and \$8.00.

**Burrell-Dugger's Avicol.** Tablets used in treatment of White Diarrhoea in chicks and Black Head in turkeys. 50c, \$1.00 and \$5.00.



# MISCELLANEOUS REQUISITES

## Egg Cartons

Serviceable Grade. 3x4. Doz. 15c; 2 doz. 25c; 50 for 50c; 100 for \$1.00; bundle of 125 for \$1.20; 250 for \$2.25; 500 for \$4.00; 1000 for \$7.50.

## Egg Shipping Boxes

See Humpty-Dumpty Carriers, page 43.

## Egg Testers

Fit any lamp. 25c each postpaid.

## Killing Knives

Pilling's "Safe Edge" or "Angular." 50c each postpaid.

## Incubator and Brooder Supplies

Zenith "No Chimney" Burners. Size 1 50c; size 2 65c; size 3 \$1.00; postpaid.

Sun Hinge Burners. Size 1 35c; size 2 40c; size 3 65c; postpaid.

## Lamp Wicks

### POSTPAID

No. 208,  $\frac{5}{8}$  inches wide.....3 for 5c; 15c doz.  
No. 209,  $\frac{7}{8}$  inches wide.....2 for 5c; 25c doz.  
No. 210,  $1\frac{1}{2}$  inches wide.....5c each; 40c doz.

### White Cotton

3 for 5c; 15c doz.  
2 for 5c; 25c doz.  
5c each; 40c doz.

### Red Felt

2 for 5c; 25c doz.  
5c each; 45c doz.  
5c each; 55c doz.

Double Wick Sun Hinge Burners. Take  $1\frac{1}{2}$  inch wick; diameter of thread  $1\frac{3}{4}$  in. 75c; postpaid.

Lamp Bowls. Galvanized. No. 101, quart capacity, takes size 2 burner, 65c; No. 102, 2 quart capacity, takes size 3 burner, 80c; postpaid.

## Disinfectant and Spray Material

Creosote. Quart 35c; half gallon 55c; 1 gallon 75c; 5 gallon can \$3.00; not prepaid.

Tarolfectant. Disinfectant and lice spray with creosote and oil base. 1 gallon \$1.50; 5 gallons \$6.25; not prepaid.

## Better Dusting Powders

Par-I-Nox, the quickest acting powder obtainable.  $1\frac{1}{2}$  lb. pkg. 25c postpaid; 3 lb. pkg. 50c postpaid.

Sodium Fluoride, recommended by many state experiment stations.  $\frac{1}{2}$  lb. 20c; 1 lb. 35c; 2 lbs. 65c; 5 lbs. \$1.50; 10 lbs. \$2.75. Cannot be mailed.

# RABBIT SUPPLIES AND REMEDIES

Pottery Feed Dishes with flange tops. Pint size 15c each; doz. for \$1.75; quart size 18c each; doz. for \$2.00.

Pottery Drinking Dishes. Round bottom, will not tip over or split with frost. Pint size 12c each; doz. for \$1.40; quart size 15c each; doz. for \$1.75; half gallon size 18c each; doz. for \$2.00. Not prepaid.

Salt-Sulphur Spools. 5c each; 12 for 40c; postpaid 50c; 100 for \$2.50; postpaid for \$2.75; case of 250 for \$5.25, postpaid \$5.75.

Amerco Rabbit Feed. 5 lbs. 25c; 10 lbs. 45c; 25 lbs. 80c; 50 lbs. \$1.45; 100 lbs. \$2.75; not postpaid.

Pedigree Blanks. Book of 100 for \$1.00; 25 for 35c; 1 doz. for 20c; postpaid.

Barnes Rabbit Remedies. We find these wonderfully satisfactory to breeders.

Barnes Anti-Diarrhoea. Small size 50c; large size \$1.00, postpaid.

Barnes Anti-Snuffle. Small size 50c; large size \$1.00, postpaid.

Barnes Anti-Slobber. Small size 50c; large size \$1.00, postpaid.

Breeding Cards. 20c doz.; 100 for \$1.00, postpaid.

Rabbit Disease Books. Each 25c, postpaid.

Rabbit Ear Markers. Complete outfit. \$1.00, postpaid.

Feed Racks. Hold hay and ground feed. 90c each, postpaid.



Feed Dish—Drinking Dish

# PIGEON SUPPLIES

Amerco Pigeon Feed. 5 lbs. 25c; 10 lbs. 45c; 25 lbs. 85c; 50 lbs. \$1.50; 100 lbs. \$2.50; not postpaid. Pigeon Grit, 12 lbs. 25c; 30 lbs. 50c; 100 lbs. \$1.35; not postpaid.

Grit and Shell Box. 2 compartments. 45c each, postpaid.

Moe's Pigeon Feeder No. 105. 3 quart capacity. \$1.00 each, postpaid.

Moe's Pigeon Feeder No. 106. 6 quart capacity. \$1.80 each, postpaid.

Pigeon Nests. Galvanized steel. 15c each; 1 doz. for \$1.50, postpaid.

Leg Bands. Aluminum, numbered. 20c doz.; 100 for \$1.20, postpaid.

Pigeon Peas. 5 to 25 lbs., 8c lb.; 50 lbs. \$3.25; 100 lbs. \$5.75.

Pigeon Health Grit. 5 lbs. 25c; 12 lbs. 50c; 28 lbs. \$1.00; 100 lbs. \$2.25, not postpaid.

# STOCK FOODS AND SUPPLIES



**Dr. Hess Hog Special.** Widely used and universally liked.

15 lb. package.....\$ 2.25, postpaid  
25 lb. package..... 3.50, postpaid  
100 lb. drum ..... 12.00, prepaid

**Dr. Hess Improved Stock Tonic.** An excellent tonic for all stock, especially recommended for milk cows.

5 lb. package.....\$ 0.85, postpaid  
15 lb. package..... 2.25, postpaid  
25 lb. package..... 3.50, postpaid  
100 lb. drum ..... 12.00, prepaid

**Dr. Hess Fly Spray.** We have sold many kinds, but like this one the best.

Gallon cans .....\$ 2.25, postpaid  
5 gallon cans..... 9.75, prepaid  
30 gallon drum..... 39.00, prepaid  
50 gallon drum..... 62.50, prepaid



**Dr. Hess Antiseptic Powder** (formerly called Healing Powder).

4 oz. package.....\$0.25, postpaid  
10 oz. package..... .50, postpaid

**Dr. Hess Udder Ointment, 50c postpaid.** An article of unusual merit.

## B-K (Bacili-Kil) Disinfectant



In our opinion the most wonderful disinfectant ever placed on the market. It is non-poisonous, non-obnoxious to poultry and animals, harmless to fur and skin, a sterilizer and deodorant. We know of nothing that will take its place. Descriptive folders free on request. Prices are postpaid.

B-K Disinfectant, 10 oz. bottles.....\$ 0.50  
B-K Disinfectant, quart bottles..... .90  
B-K Disinfectant, gallon bottles..... 2.00  
B-K Disinfectant, 5 gallon bottles..... 8.50

## KNOX OUT LIVE STOCK FLY SPRAY

An article that will win your repeat orders because of its honest merit together with a price lower than others. Quart can 60c; gallon can \$1.50; 5 gallon can \$6.75; 30 gallon drum \$35.00; 50 gallon drum \$55.00; prepaid.



## INDOR INSECT KILLER

An insecticide for flies, moths, ants, bugs, mosquitoes, bed bugs, roaches, etc. ½ pint 35c; 1 pint 65c; 1 quart \$1.00; 1 gallon \$3.50; postpaid.

## BLATCHFORD'S CALF MEAL

25 lb. bag \$1.50; 50 lbs. \$2.80; 100 lbs. \$5.50; not prepaid.

## BAG BALM

Used for years by Western dairymen. 60c each prepaid.

## KOW-KARE

The universal remedy for milk fever, scouring, and lost appetite. Recommended for prevention of abortion, retained after-birth, etc. 65c and \$1.25 sizes; prepaid.

## GRANGE GARGET REMEDY

A Dairy Association produce. 65c postpaid.

## EPSOM SALTS

3 lbs. 25c; 20 lbs. \$1.00; 100 lbs. \$4.25; not prepaid.

## PACKING HOUSE PRODUCTS—Not Prepaid

Blood Meal .....\$3.50 cwt.  
Special Meat Scraps..... 2.75 cwt.  
Meat Meal ..... 2.75 cwt.  
Green Cut Bone..... 2.50 cwt.

Poultry Bone Meal.....\$2.50 cwt.  
Raw Feeding Bone..... 3.25 cwt.  
Tankage (60%) ..... 2.50 cwt.  
Tankage (50%) ..... 2.25 cwt.

# Foods for Dogs, Cats, Foxes, Mink, Etc.

The Most Complete Line in the Rocky Mountain District



If your favorite food is not in this list, write us; we aim to have what YOU want.

Prices are not prepaid. If by mail, include postage at zone rate (see page 62).

Dog size, Puppy size, and Kibbled (broken).

A few short years ago feeding our pets was a major problem that continuously confronted the household. Table scraps were not satisfactory, or were lacking when most needed. Starchy foods did not agree with either dogs or cats. Fried meats made our pets sick, pork did not agree with them, chicken bones killed many a valuable dog, gravy was too rich, they would not eat what we thought they ought to have. Too much milk caused worms, sweets upset their stomachs, greasy foods caused poor coats and made them throw up. In short, we got gray-headed trying to find the proper foods.

And now, what a change! Properly balanced foods are easily obtainable, inexpensive and satisfying. Our pets look better, feel better and live longer. If

wormed regularly and properly housed, they are almost never sick.

When a new puppy comes into the home its food is not a problem—it is a pleasure. Use one of the canned puppy foods, mixed with puppy meal. Two or three times a week mix ground carrots with the above, and do not overfeed. Growing and matured dogs love these canned meat foods and thrive on them.

A good rule to follow in feeding growing dogs is one ounce each day for each pound of dog's weight; for matured dogs, half this amount. We recommend one of the canned meat foods mixed with an equal amount of puppy meal or kibbled (broken) biscuit. Feed puppies at least four times a day, and matured dogs twice. The morning meal should be light and the evening meal substantial. Never give more than a puppy or grown dog will clean up at a feeding. Young puppies are more inclined to overeat than grown dogs.

**Caution.** Do not let canned meat foods freeze, and always remove contents of can as soon as opened, place in glass or china dish and keep in a cool place. Any of the canned foods will keep indefinitely unopened, but should not be exposed to extremes of temperature.

We list what we consider the best of the various kinds. If you prefer some other brand, write us. We wish to always have just what you want.

## BISCUITS IN BULK

### AUSTIN'S

	1 lb.	5 lbs.	10 lbs.	25 lbs.	50 lbs.	100 lbs.
Dog size .....	\$0.15	\$0.65	\$1.20	\$2.70	\$4.90	\$ 9.60
Puppy size .....	.15	.65	1.20	2.90	5.65	10.95

### CHAMPION

Dog size .....	.15	.65	1.20	2.90	5.00	9.70
Puppy size .....	.15	.65	1.25	3.00	5.15	10.10
Kibbled .....	.15	.65	1.25	3.00	5.15	10.10
Puppy Meal .....	.15	.65	1.25	3.00	5.15	10.10
Mink Food .....	.25	1.00	1.75	4.10	7.70	13.40

### CHAPPEL BROS.

Ken-L-Biscuit .....	.15	.65	1.20	2.60	4.80	9.30
Kib-L-Biscuit .....	.15	.65	1.20	2.60	4.80	9.30

### MILLER'S

Kibbled .....	.15	.65	1.20	2.60	4.75	9.20
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### PURINA

Kibbled .....	.10	.45	.90	2.00	3.80	7.30
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### SPRATT'S

Fibo .....	.20	.85	1.50	3.50	6.50	12.75
Ovals .....	.20	.75	1.40	3.25	6.25	11.45
Terrier Meal .....	.15	.65	1.20	2.90	5.70	10.80



"OUR BUSINESS IS GOING TO THE DOGS"

## CHAMPION Dog Biscuit



# DOG FOODS IN CANS

The canned foods listed below will be found ideal for your dogs. Their use will save you a lot of bother and "fussing" and, at the same time insure the proper ration. These foods contain the correct proportions of good lean meat, cereals, vegetables, bone meal, cod liver oil, etc. They come to you cooked and ready to serve.

We recommend that you use equal portions of kibbled biscuits, or whole wheat bread with canned meat foods, moistened to suit your dog's taste. For breeding puppies, see instructions on preceding page.

If in doubt which food is best for your dog, write for special feeding advice, stating kind of dog, age, etc.

## CALO.—1-lb. Cans

	Per can	Doz. cans	2 Doz. cans	No. in case	Case price
Dog Food .....	\$0.11	\$1.30	\$2.50	48	\$4.75
Puppy Food .....	.11	1.30	2.50	48	4.75



## CHAPPEL BROS.—1-lb. Cans

Ken-L-Ration .....	.13	1.50	2.95	48	5.75
Hemo-Ration .....	.17	1.80	3.20	48	5.90
Pup-E-Ration .....	.17	1.90	3.50	48	6.50

## COLO. ANIMAL FOOD CO.

Golden, 1 lb.....	.13	1.50	2.75	36	3.75
Golden, 6 oz.....	.10	1.00	2.00	48	3.75

## KIPPY DOG FOOD CO.

Kippy, 1 lb.....	.13	1.50	2.75	24	2.75
Kippy, 6 oz.....	.10	1.00	2.75	48	3.75



## MILLER'S—1-lb. Cans.

Quick Lunch .....	.13	1.40	2.75	48	4.95
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## SIMPSON PRODUCTS CO.—1-lb. Cans

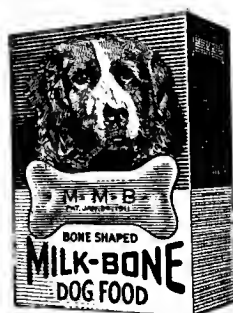
Doggie Dinner .....	.13	1.30	2.55	36	3.75
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## VITAMONT CO.—1-lb. Cans

Vitamont .....	.13	1.50	2.75	48	4.95
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# DOG FOODS IN CARTONS

## BENNETT'S BONE SHAPED BISCUITS



Bennett's Dog Biscuit, 12 oz. carton.....	18c	Postpaid.....	25c
Bennett's Dog Biscuit, 31 oz. carton.....	40c	Postpaid.....	50c
Bennett's Puppy Biscuit, 10 oz. carton.....	18c	Postpaid.....	25c
Bennett's Puppy Biscuit, 28 oz. carton.....	40c	Postpaid.....	50c
Bennett's Junior Biscuit, 22 oz. carton.....	40c	Postpaid.....	50c

This Bennett's biscuit is particularly fine for toy breeds inclined to be shy feeders and with notional appetites.

## MORSE'S MORSELS

A new and wonderfully appetizing food that will surely tempt your dog's appetite. 2 lb. carton 40c, postpaid 50c.

## SPRATT'S PACKAGE FOODS

	Each	Postpaid
Fibo (granulated), cartons, a little over 2 lbs.....	45c	55c
Ovals (small, round), cartons, about 2 lbs.....	40c	50c
Dog Cakes, about 2 lbs.....	40c	50c
Puppy Cakes, about 2 lbs.....	45c	55c

# SUPPLEMENTARY FOODS IN BULK FOR DOGS AND FOXES

These foods are particularly valuable to kennels feeding a number of dogs. Their use will save in feeding expense and aid in obtaining a properly balanced ration.

## EDIBLE BONE MEAL

A very necessary part of the ration of growing animals. Our supply is pure, clean, and especially prepared for dogs and foxes. **Raw Feeding Bone Meal.** 1 lb. 10c; 10 lbs. 60c; 25 lbs. \$1.00; 50 lbs. \$1.90; 100 lbs. \$3.50. Not prepaid.

## ODORLESS MEAT MEAL

A favorite with many kennels. Rich in body building elements, and properly balanced for dogs and foxes. 10 lbs. 75c; 25 lbs. \$1.10; 50 lbs. \$2.00; 100 lbs. \$3.75. Not prepaid.

## GOLDEN KIBBLED DOG FOOD

A crispy, tasty food that is appetizing, and balanced as to cereals, meats, minerals, etc. One of the best on the market. Made in Colorado. 5 lb. bag 50c, postpaid 65c; 25 lb bag \$1.85, postpaid \$2.15; 50 lb. bag \$3.25, postpaid \$3.80; 100 lb. bag \$6.00.

## MILLER'S CEREAL AND MEAT FOOD

**Miller's A-1 Ration.** A meat and cereal food long a favorite in the east. Recently introduced in Denver by us. 5 lbs. 45c, postpaid 60c; 10 lbs. 85c, postpaid \$1.05; 25 lbs. \$1.85, postpaid \$2.15; 50 lbs. \$3.50, postpaid \$4.10; 100 lbs. \$6.30.

## PERFECTION DOG FOOD

We brought Perfection to Denver a number of years ago and its hosts of friends continue to order time after time. You will find it the best of the meat and cereal foods. 5 lbs. 60c, postpaid 75c; 10 lbs. \$1.00, postpaid \$1.20; 25 lbs. \$2.25, postpaid \$2.60; 50 lbs. \$3.50, postpaid \$4.10; 100 lbs. \$6.80.

## VITAL FOOD

This is a fine ground meat, mineral, and vegetable food given moistened with milk or water, or mixed with other foods. It is well known to Denver breeders and makes friends wherever used. 2 lb. carton 25c, postpaid 35c; 10 lb. bags \$1.00, postpaid \$1.20; 25 lbs. \$2.00, postpaid \$2.35; 100 lbs. \$6.50; 500 lb. lots, \$6.25 cwt.; 1000 lb. lots, \$6.00 cwt.; ton lots, \$5.75 cwt.



## NORTHWESTERN YEAST FOAM

Now used by the majority of discriminating breeders. We will be glad to send free booklet describing its use, on request. 4 lb. box \$1.00 prepaid to 2nd zone; 25 lb. box \$6.00, prepaid; 100 lb. bbl. \$23.00, prepaid.

# FOX FOODS AND SUPPLIES

**Alfalfa Meal.** XXX brand, pure leaf meal. \$2.75 cwt. Not prepaid.

**Bone Meal.** Edible.

**French Vermicide Capsules for Foxes.** See page 54.

**Kal-Fos.** Bone builder. Ask for free folder. For price and description, see page 54.

**Nema Worm Capsules.** No. 188. For fox cubs. Box of 12, 25c; box of 50, 60c. No. 187, for adult foxes. Box of 12, 35c; box of 50, \$1.00. Postpaid.

**Perfection Fox Food.** Prices same as for Perfection Dog Food.

**Pulvex.** The fox flea and louse powder supreme. 12 oz. size \$1.25; special fox farm 5 lb. size \$6.00. Postpaid.

**Vital Food.** A very fine food for foxes.

**Yeast.**

# Medicinal Foods and Supplies for Dogs

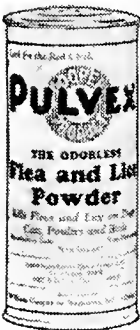
## N. O. P. C. O. BRAND COD LIVER OIL

This oil is fortified in VITAMIN POTENCY, making it necessary to use only ONE-HALF as much N. O. P. C. O. as you would of any other cod liver oil. We recommend 8 ounces to 100 lbs. of food, or a few drops only in a dog's daily ration.

N. O. P. C. O. Brand Cod Liver Oil, quart can .....	\$ 0.75	Postpaid.....	\$ 0.85
N. O. P. C. O. Brand Cod Liver Oil, half gal. can.....	1.40	Postpaid.....	1.55
N. O. P. C. O. Brand Cod Liver Oil, gallon can .....	2.60	Postpaid.....	2.80
N. O. P. C. O. Brand Cod Liver Oil, 5 gal. can.....	12.30	Postpaid.....	12.80

## KAL-FOS

A bone builder, preventive of rickets, general tonic, and anti-acid for animal mothers' milk. It is especially valuable for mother dogs to keep them well nourished before whelping. It will prolong the life of mother dogs and often enable the breeder to raise 25% to 50% more young stock. 1 lb. cans 75c postpaid.



## MILLER'S VITAMIL

A ration of vitamins and minerals, to be mixed with daily ration at the rate of 1% of total food given. Full directions and description on each can. 8 oz. can 75c postpaid.

## PULVEX

Pulvex is a flea and louse powder positively unequalled by anything we have ever found before. Perfectly harmless. One application will stop scratching immediately. If bedding is infested dust with PULVEX to prevent re-infestation of dogs. 2 oz. sifter top can 50c; 12 oz. pkg. \$1.25; 5 lb. pkg. \$6.00; 15 lb. pkg. \$15.00 postpaid.

# DOG REMEDIES

### ALL POSTPAID

The eff-eff preparations, made by The ffrench Remedy Co. This line is used by most fox breeders and by breeders of extra valuable dogs because there is positively no after-effect or upsetting of the system.

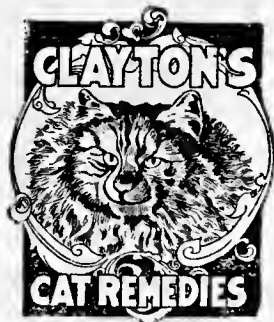
### STANDARD PACKAGES—Complete Directions on Each Box

Vermicide Capsules No. 1, for dogs, foxes, cats. For roundworms and hookworms.	
8 capsules .....	\$ 0.50
20 capsules .....	1.00
Vermicide Capsules No. 2, for puppies. For roundworms and hookworms.	
10 capsules .....	.50
25 capsules .....	1.00
Vermicide Capsules No. 3 (miniature) for very young pups, fox cubs, etc. For roundworms and hookworms. 30 capsules.....	1.00
Vermicide Capsules. Special for tapeworms. No. 1 size only. 20 capsules.....	1.00
Tonic Globules. 100 to box.....	1.00
Laxative Globules. 100 to box.....	1.00
Enertic Globules. 50 to box.....	1.00
Antiseptic Powder for the Eyes. 4 drams.....	1.00
Antiseptic Powder for the Ears. 4 drams.....	1.00
Salve for Sarcoptic and Ear Mange. 3 ounces.....	1.00
Flea and Lice Powder. 4 ounces.....	1.00
Cedar Dog Soap. 4 ounces.....	.50

### SPECIAL RANCH AND KENNEL SIZES—See Special Note Below

Vermicide Capsules No. 1. Box of 100.....	\$ 4.00
Box of 500.....	18.00
Vermicide Capsules No. 2. Box of 100.....	3.00
Box of 500.....	13.00
Vermicide Capsules No. 3. Box of 100.....	2.50
Box of 500.....	10.00
Vermicide Capsules. Special for tapeworms. No. 1 size only. Box of 500.....	18.00

**SPECIAL NOTE.** These Special sizes may not be carried in dealers stock. Send us your order for direct shipment, prepaid.



## Clayton's Dog Medicines

All Postpaid

**Sarcoptic Mange Medicine.** Oily dark. 60c.  
**Skin Lotion.** Colorless. 60c.  
**Keteraline.** Liquid and tablets. 60c.  
**Condition Pills with Pepsin.** A tonic. 60c.  
**Alterative Pills.** Blood red. 60c.  
**Carminative Tablets.** An anti-acid. 60c.  
**Laxative Tablets.** 60c.  
**Worm Pills.** For expulsion of worms. 60c.  
**Tape Worm-Expeller.** 60c.  
**Vermifuge.** Liquid and soft capsules. 60c.  
**Little Red Worm Bullets.** 60c.  
**Canker Lotion.** Liquid and tablets. 60c.  
**Eye Lotion.** Liquid and tablets. 60c.  
**Sedative Medicine.** Liquid and tablets. 60c.  
**Cough Syrup.** For coughs and colds. 60c.  
**Puppy Tonic.** To strengthen weak puppies. 60c.  
**Diuretic Tablets.** For aches, pains, etc. 60c.  
**Bowel Constrictant.** Liquid and tablets. 60c.  
**Arsenic-Iron and Sulphur Compound.** Helpful in the treatment of chorea. 60c.  
**Goitre Medicine.** To relieve goitre. \$1.00.  
**Cod Liver Oil Emulsion.** \$1.00.  
**Ceoline Dog Wash and Disinfectant.** 35c.  
**Shampoo.** For washing dogs, non-poisonous. 25c.  
**Kilflea Soap.** For fleas. 25c.  
**Kilflea powder.** For dogs and cats. 35c.  
**Cream Soap.** Can be used continually. 25c.  
**Ceoline Soap.** 25c.

## NEMA WORM CAPSULES

(Chemically Tested Tetrachlorethylene)  
**POSTPAID**

Nema Worm Capsules are made by Parke, Davis & Co. They are carefully graded as to dosage and complete instructions are on each package.

	Box of 12	Box of 50
No. 188, toy dogs, fox cubs, puppies and cats.....	\$0.25	\$0.60
No. 187, small adult dogs....	.35	1.00
No. 189, medium sized adult dogs .....	.60	2.00
No. 190, adult dogs, 30 to 50 lbs. ....	.75	2.50
No. 191, small puppies, half-grown foxes .....	.30	.75



## Q-W Remedies

All Postpaid



The whole Q-W line will be found satisfactory in every way. The life of your pets may depend on having the proper remedy on hand. **Q-W Hand Book**, describes all remedies, FREE.

**Q-W Verminol.** Disinfectant and vermin killer. Pint \$1.25; quart \$2.00.  
**Q-W Dog Soap.** Cake form. Per cake 35c; 3 for \$1.00.  
**Q-W Flea Powder.** Per box \$1.00.  
**Q-W Flea Oil and Coat Grower.** Pint \$1.00; quart \$1.75.  
**Q-W Condition Powder.** Conditioner, regulator, aids digestion, mange, eczema, etc. Regular size \$1.00; kennel size \$3.00.  
**Q-W Constipation Pills.** Per bottle \$1.00.  
**Q-W Phosphated Cod Liver Oil Compound with Lime.** Pint \$1.25; quart \$2.00.  
**Q-W Tonic and Red Blood Builder.** Per bottle \$1.00.  
**Q-W Distemperol.** 6 oz. bottle \$2.00; 12 oz. bottle \$3.50.  
**Q-W Book.** All about dogs. Each \$1.00.  
**Q-W Mange Lotion.** 8 oz. bottle \$1.00; quart \$3.25; gallon \$12.00.  
**Q-W Mange and Flea Soap.** Regular size \$1.00; kennel size \$3.00.  
**Q-W Sulphur Compound Solution.** Regular size \$1.00; large size \$1.75.  
**Q-W Healing Salve.** Regular size \$1.00; kennel size \$3.00.  
**Q-W Worm Mixture.** 4 oz. bottle \$1.00; 16 oz. bottle \$2.50.  
**Q-W Worm Capsules.** Per box 65c.  
**Q-W Tape Worm Mixture.** 2 oz. bottle \$1.00; 6 oz. bottle \$2.50.  
**Q-W Fit and Sedative Tablets.** Per bottle \$1.25.  
**Q-W Rheumatism Tablets.** Per bottle \$1.00.  
**Q-W Liniment.** Per bottle \$1.25.  
**Q-W Diarrhoea and Dysentery Tablets.** Per bottle \$1.25.  
**Q-W Ear Canker Lotion.** Per bottle \$1.25.  
**Q-W Breeding Tablets.** Regular size \$2.00; kennel size \$6.00.  
**Q-W Eye Salve.** Per jar \$1.00.

## SERGEANT'S DOG AND CAT REMEDIES

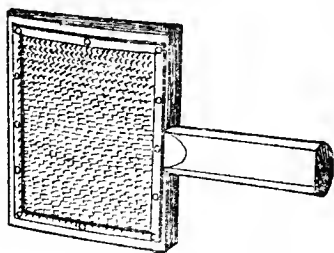
**Special Medicine for Distemper.....** \$1.20  
**Condition Pills .....** .60  
**Sure-Shot Capsules, for worms.....** .60  
**Sure-Shot Puppy Capsules.....** .60  
**Sure-Shot Liquid, for worms.....** .60  
**Compound Arsenic and Iron (Chorea) ..** .60  
**Intestinal Astringent, Diarrhoea.....** .60  
**Expectorant Medicine, Coughs.....** .60  
**Diuretic Pills, Rheumatism.....** .60  
**Nerve Sedative, Running Fits.....** 1.20  
**Disinfectant, 4 oz. bottle.....** .25

**Mange Medicine .....** \$0.65  
**Tapeworm Medicine .....** .60  
**Canker Wash .....** .60  
**Mouth Wash .....** .60  
**Compound Pepsin Tablets.....** .60  
**Liniment .....** .60  
**Eye Wash .....** .60  
**Laxative Capsules .....** .60  
**Carbolic Tar Soap.....** .25  
**Skip-Flea Soap .....** .25  
**Skip-Flea Powder .....** .25



# MISCELLANEOUS DOG SUPPLIES

**Rubber Play Balls.** Medium size 15c, postpaid 20c; large size 25c, postpaid 30c.  
**Rubber Bones.** Pure, live rubber that dogs cannot destroy. 25c each postpaid.



<b>Wire Brushes,</b> for Boston Terriers.....	Postpaid	\$0.60
<b>Wire Brushes,</b> for Chows .....	Postpaid	1.00
<b>Wire Brushes,</b> for Pekinese .....	Postpaid	.75
<b>Wire Brushes,</b> for short hair dogs.....	Postpaid	.60
<b>Wire Brushes,</b> for long hair dogs.....	Postpaid	.90
<b>Wire Brushes,</b> 10 assorted brushes.....	Postpaid	7.00
<b>Craftsman Brush,</b> No. 2.....	Postpaid	1.20
<b>Craftsman Wood Handle Rake</b> .....	Postpaid	.45
<b>Dog Chains.</b> No. 870, 4½ ft, light weight, piano wire .....	Postpaid	.15
<b>Dog Chains.</b> No. 1203, 6 ft. medium length, piano wire .....	Postpaid	.35
<b>Lead Chain.</b> No. 2, 6 ft., medium weight, with hand grip .....	Postpaid	.30
<b>Tie Out Chain,</b> 15 ft., light but strong.....	Postpaid	.60
<b>Dog Collars,</b> No. 6 round, lengths 12-14-16 inches.....	Postpaid	.70
<b>Dog Collars,</b> No. 7 round, lengths 14-16-18 inches.....	Postpaid	.90
<b>Dog Collars,</b> No. 00, lengths 6-8-10-12 inches.....	Postpaid	.25
<b>Dog Collars,</b> No. 600, lengths 8-10-12-14 inches.....	Postpaid	.35
<b>Dog Collars,</b> No. 1000, lengths 12-14-16-18-20 inches.....	Postpaid	.65
<b>Combs,</b> stripping, No. 5, length 4½ inches.....	Postpaid	1.25
<b>Combs,</b> No. 9, heavy, for long haired dogs.....	Postpaid	.65
<b>Combs,</b> No. 10, heavy, for wire haired dogs.....	Postpaid	.90
<b>Combs,</b> No. 12, medium teeth.....	Postpaid	.35
<b>Combs,</b> No. 14, for fine haired dogs.....	Postpaid	.45
<b>Harness,</b> red or green, state girth measurement.....	Postpaid	1.00
<b>Leads,</b> No. 523, 4 ft., with snap and handhold.....	Postpaid	1.20
<b>Muzzles,</b> assorted styles and sizes, each, 25c to.....	Postpaid	1.50
<b>Rubber Doughnuts,</b> to aid development of teeth.....	Postpaid	.15
<b>Rubber Weiners</b> .....	Postpaid	.15
<b>Rubber Squealing Rats</b> .....	Postpaid	.15
<b>Rubber Dog Heads,</b> playthings.....	Postpaid	.25
<b>Slickers,</b> rubber, size 10 in. to 20 in. measure distance from root of tail to base of neck; red.....	Postpaid	1.00
<b>Sweaters,</b> wool, 10 in. to 20 in., two color, \$1.25 to.....	Postpaid	1.75
<b>Whips,</b> No. 25, black, for training and correcting.....	Postpaid	.35
<b>Pedigree Blanks,</b> 12 for 15c; 25 for 30c; 50 for 50c; 100, bound in neat book form .....	Postpaid	1.00
<b>Sani-Bones,</b> mineral treated, polished bones.....	Postpaid	.65

# CAT FOODS AND SUPPLIES

**Calo Cat Food.** 1 lb. cans 15c each; \$1.50 doz.; case of 48 for \$5.50.  
**Chappel's Kit-E-Ration.** 6 oz. cans 10c each, \$1.00 dozen; add postage. 1 lb. cans 16c each, \$1.65 doz.; add postage.  
**Kippy Cat Food.** 5 oz. cans 10c each, \$1.10 doz.; add postage.  
**Catnip, Dried, Summit Brand.** Large pkg. 15c postpaid.  
**Catnip Balls,** hollow, perforated ball, filled with catnip. 20c postpaid.  
**Catnip Mice,** imitation mice filled with catnip. 10c each postpaid.  
**Catnip Seed.** Special packets 10c. Grow your own supply and have it fresh.  
**Combs.** For styles and prices see list under Miscellaneous Dog Supplies.

## CLAYTON'S CAT REMEDIES

Used by  
 Leading Cat  
 Fanciers

Prices Prepaid



**Cat Sarcoptic Mange Medicine.** 60c.  
**Cat Ketheralline Liquid.** 60c.  
**Cat Ketheralline Tablets.** 60c.  
**Cat Tonic Catnip Condition Tablets.** 60c.  
**Cat Alternative Tablets.** 60c.  
**Cat Carminative Tablets.** 60c.  
**Cat Laxative Tablets.** 60c.  
**Cat Worm Tablets.** 60c.  
**Cat Tape Worm Expeller Tablets.** 60c.  
**Cat Vermifuge Liquid.** 60c.  
**Cat Canker Lotion Tablets.** 60c.  
**Cat Eye Lotion Tablets.** 60c.  
**Cat Sedative Tablets.** 60c.  
**Cat Cough Syrup.** 60c.  
**Cat Bowel Constringent Tablets.** 60c.  
**Cat Mouth Wash.** 60c.  
**Cat Wash and Disinfectant.** 25c.

**Killflea Powder.** 35c.  
**Cod Liver Oil Emulsion.** \$1.00.  
**Cat Soap.** 25c.

## DR. A. C. DANIEL'S CAT REMEDIES

**Acobel Wafers,** for Distemper. 50c.  
**Calcy Drops,** for liver ailments. 65c.  
**Danivom.** Anti-vomit, a stomach sedative. 50c.  
**Danilax,** special laxative. 35c.  
**Dermatite,** for itching and Sarcoptic Mange. \$1.00.  
**Effervescent Wash,** for cleaning sores. 35c.  
**Katonic,** a liquid tonic. 25c.  
**H. B. O.** Hair ball remover. 65c.  
**Distemper Drops,** a liquid distemper remedy. \$1.00.  
**Astringent Pills,** for diarrhoea. 65c.  
**Liquid Worm Drops.** 50c.  
**Kettle's Gift Box.** A neat gift package containing a package of catnip leaves, a catnip ball, and a catnip mouse. All complete for 25c.  
**Pulvex.** 2 oz. size 50c; 12 oz. size \$1.25. The best thing for fleas, etc. For further description see page 54.  
**Q-W Remedies.** See page 55.  
**Rubber Mice,** squealing, 10c each.  
**Rubber Rats,** squealing, 15c each.

# TOY TROPICAL FISH

You will get more "kick" out of a bowl or aquarium of tropical fish than anything else you may have in your home.

Would you believe that some of these midgets,  $1\frac{1}{4}$  inches long, give birth to live babies, from ten to fifty at a time, and that ten minutes after birth, these tiny mites are seeking food and learning to dodge their enemies?

Ask for FREE folder describing top tropical fish, their care and culture, ready about March 1, 1932.

Prices quoted are for supply obtainable through the winter and early spring. Ask for special summer price list.

**Guppy** (Rainbow Fish). Male is less than 1 inch long; female larger and bulkier. Live bearer, producing 8 to 25 live babies every 42 days. **Matured pairs 75c.**

**Swordtails**, Mexican. Very beautiful live-bearing fish with green sword-like tail. Adults are from  $1\frac{1}{2}$  to 2 inches long. From 20 to 60 live babies every 60 days. **Matured pairs \$2.50.**

**Red Moons**. Sparkling red live bearers. Show up in striking contrast to green plants in the aquarium. Very beautiful. **\$4.00 pair.**

**Blue Moons**. Brilliant ultra-marine with several bars of dark navy blue; live bearers. **\$2.00 pair.**

**Sailfins**. Largest and hardiest of the live-bearers. About 3 inches long. Mauve-gray with broken black lines. Male has dorsal fin over half size of body. Fins and tails iridescent green and blue. **\$2.00 pair.**

**Cardinal Fish**. Not truly a tropical, but live with either gold fish or tropicals. **\$1.50 pair.**

**Silver Tetra**. A deep bodied fish with fine silver scales overlaid with sheen of green and blue. Deposits eggs on plants in aquarium. **\$3.50 pair.**

**Zebra Fish** (Danio rerio). Marked with horizontal stripes of deep blue and yellow. **\$2.50 pair.**

**Giant Danio**. Popular because of its attractive coloring and lively movements. Silver, with horizontal stripe sometimes pink and sometimes metallic blue. **Pair \$4.00.**

**Angel Fish**. The aristocrat of the aquarium. See illustration above. Silver, with black bands. **\$5.00 to \$10.00 pair.**

Tropical fish, being sensitive to cold, are usually shipped during warm weather. Winter shipments are possible, by means of thermos cans. If wanted by mail, write for particulars.

## AQUATIC PLANTS FOR TROPICALS, OR GOLD FISH

A luxuriant growth of aquatic plants is necessary to the well-being of tropicals and adds greatly to the appearance of any aquarium. The varieties listed below are easily grown by simply placing ends of plants in thoroughly washed sand in the bottom of the aquarium.

**Cabomba**. Glossy green, fan-like leaves. Stems red or green.

**Anacharis**. One of the most active oxygenators. Long stems with bright green, short leaves.

**Ludwigia**. Highly ornamental, rather broad leaves.

**Myriophyllum**. Rapid growing grass-like plant, feathery and bright green.

**Sagittaria** (Broad Leaf). Rapid grower and attractive.



Angel Fish

**Vallisneria** (Dwarf). Probably the best plant for all varieties of fish. Once rooted in sand on the bottom of aquarium, will spread sufficiently to cover the bottom. Medium narrow green leaves with reddish cast.

**Prices for Aquatic Plants**. Generous bunch of any of the above, for only 15c, **postpaid 20c**. Not less than 15c portion of any variety mailed.

## TROPICAL FISH FOODS—All Prepaid

**"Justrite" Tropical Fish Food**. Shaker top can 15c.

**Imported Pure Shrimp**. Shaker top can 15c.

**Baby Tropical Fish Food**. Shaker top can 25c.

**Infusoria Producer**. Shaker top can 25c.

**"Tujoe" Tropical Fish Food**. 20c.

**Spratt's Tropical Fish Food**. 20c.

**Spratt's "Zeke"** 15c.

**Goldfish Foods**. Natural Fish Food. 10c pkg.; 1 doz. for \$1.00, **postpaid**. Wafer Fish Food 10c pkg.; 1 doz. for \$1.00, **postpaid**.

**Aquarium Scavengers**. These servants work without pay and will keep your aquarium clean and pure. They are attractive, interesting, and necessary to obtain a "balanced" effect. In keeping tropical fish the water is never changed, and plant life and some form of scavengers are necessary.

**Japanese Live Bearing Snails**. Big fellows, often the size of a silver dollar. **25c each.**

**African Snails**. Good workers, medium size. **10c each, \$1.00 doz.**

**Pond Snails**. 5c to 10c each. Assorted sizes **75c doz.**

**Potomac Snails**. 5c to 10c each. Assorted sizes **75c doz.**

**Weather Fish**. The steam dredge of the aquarium. They are busy all day long washing and cleaning the sand and gravel on the bottom of the aquarium. Interesting and useful. **\$1.00 each.**

**Coral Snails, Ramshorns, Tadpoles and Salamanders** in season.

**Baby Turtles**. Becoming more popular daily. The children enjoy them and find them interesting and instructive. Easily kept in a dish or pan with sand and water. **25c each, postpaid 35c.**

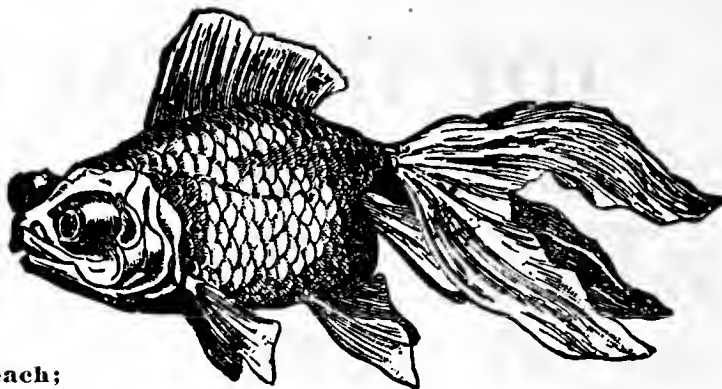
**Turtle Tanks**. Small glass tanks, just the thing for keeping turtles. **75c each, postpaid for 90c**. Baby Turtle and Tank **postpaid for \$1.00.**

# GOLD FISH

## Globes, Aquariums and Supplies

GOLD FISH are shipped by express in tin pails—12 fish will travel safely in a 15c (2 quart) pail. Please include remittance for pail with order.

Small Goldfish, 1½ to 2 inches, 10c each; \$1.00 doz.  
 Medium size, 2 to 2½ inches, 15c each; \$1.50 doz.  
 Medium large, 3 inches, 20c each; \$2.00 doz.  
 Large, 4 inches, 25c each; \$2.50 doz.  
 Japanese Fantails, 2 to 4 inches, 35c to 75c each.  
 Red Telescopes, 2 to 3 inches, 50c to 75c each.



**Black Telescope (Chinese Moor)**

**Black Telescopes (Chinese Moors).** Will live equally well with goldfish in cold water, or with tropicals in warm water, 65c to \$1.00 each. These Black Moors are certainly an attraction when placed with any other fish. They are jet black, active, and most peculiar in appearance.

## FISH GLOBES

**SUPER QUALITY (Shipment by Express)**

The following shapes are in stock in clear glass: round, in all sizes; drum shaped, squat and special, in half gallon, gallon and 2 gallon sizes. Prices are the same for any shape. Shipped express, charges NOT prepaid.

	Quart	Half Gallon	Gallon	2 Gallon	3 Gallon
Clear glass, each.....	\$0.20	\$0.25	\$0.55	\$1.20	\$2.00
Green glass, each.....		.35	.70	1.50	

## ALL-GLASS AQUARIUMS

**CLEAR GLASS ONLY**

No. 411—1½ gal. capacity.....\$1.65 each  
 No. 80—3 gal. capacity..... 3.95 each

Not prepaid.



### IMPORTED ALL-GLASS AQUARIUMS

¾ gallon, each.....\$ 2.00  
 2½ gallon, each..... 4.50  
 3 gallon, each..... 5.00  
 5 gallon, each..... 5.50

**SLATE BOTTOM.** Very heavily built.

3½ gallon, each.....\$ 9.50  
 6 gallon, each..... 11.50  
 9 gallon, each..... 13.50

**ACE AQUARIUMS.** Heavy galvanized iron frames.

1 gallon, glass bottom, each.....\$ 2.00  
 2 gallon, glass bottom, each..... 2.50  
 3 gallon, glass bottom, each..... 3.25  
 4 gallon, glass bottom, each..... 3.75  
 5 gallon, glass bottom, each..... 4.00

### WINDOW AQUARIUM

28 in. long, 8 in. wide, 11 in. deep.  
 11 gallon capacity, each.....\$17.50

## AQUARIUM ORNAMENTS, CASTLES AND SUPPLIES

**CASTLES, fancy shapes and colors.**

Average 2 inches high.....	\$0.15	Postpaid \$0.20
2½ inches high.....	.25	Postpaid .30
3 inches high.....	.30	Postpaid .35
4 inches high.....	.35	Postpaid .40
5 inches high.....	.40	Postpaid .45
6 inches high.....	.50	Postpaid .60

Mermaids, porcelain ..... .15 Postpaid .20

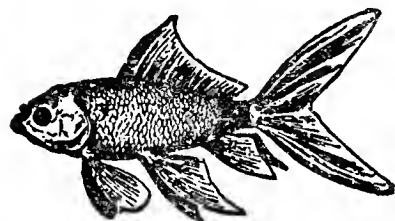
Corals, highly colored..... .30c to 50c; postpaid 35c to 60c

Water Lilies, artificial..... .15 Postpaid .20

Porcelain Fish ..... .15 Postpaid .20

Nets ..... .20c to 25c; postpaid 25c to 30c

Aquarium Books. "The Modern Aquarium," Innes & Sons.  
 \$1.00 postpaid.



## COLORED SHELLS AND PEARL CHIPS

Assorted Sea Shells, small, highly colored.  
 1 lb. pkg. 25c, postpaid 30c.

Polished White Sea Shells. 1 lb. pkg. 20c, postpaid 25c.

Pearl Chips, highly colored. 1 lb. pkg. 15c, postpaid 20c.

Polished White Pearl Chips. 1 lb. pkg. 10c, postpaid 15c.

**Aquarium Cement.** After testing several makes of aquarium cement, and conferring with aquarium builders, both amateur and professional, we offer "Kuhl's Elastic Aquarium Compound." This cement comes ready mixed, ready to use, and will be found positively the best obtainable. Not necessary to wait until cement dries. You may place water in aquarium immediately after cementing.

No trouble from seeping. Postpaid prices.

1 lb. can.....\$0.50 5 lb. can.....\$2.00

2 lb. can..... .90 12½ lb. can..... 4.00

**Aqua Rock.** A scientific product which gradually liberates oxygen and neutralizes acid condition of the water in aquariums. Should be used for both gold fish and tropicals. Generous package, enough for 2 gallons of water. 15c postpaid.

**Dip Tubes.** 14 inches, for cleaning sediment from aquariums and globes. 45c each, postpaid for 55c.

**Feed Rings.** Glass, small size 15c, postpaid 20c; large size 20c, postpaid 25c.

**Nets.** 4 inch web, 25c; 2½ inch cloth 15c each. Add 10c for postage.

**Syphons.** Glass, automatic; 8 in. 60c; 12 in. 65c; 16 in. 90c. Add 10c if by mail.

## HARDY WATER LILIES

Write for list of lilies and pool ornaments.

# WONDERFUL SINGING CANARIES

## WHAT IS HOME WITHOUT A CANARY?

Prices the Lowest Since 1914

Because of world-wide conditions IMPORTED GERMAN ROLLER and HARTZ MOUNTAIN CANARIES are priced lower than at any time since 1914. The quality is simply wonderful and every lover of good birds should take advantage of the situation to provide themselves with one or more of these ideal household pets.



Grade A-1 Imported St. Andreasberg or Seifert Rollers, each.....	\$6.50
Grade A-1 Imported Hartz Mountain Singers, each.....	6.50
Grade A-1 Roller females, each.....	\$2.50 to 3.50
Grade A-1 Hartz Mountain females, each.....	1.50 to 2.50

We carry a large stock and can supply any color desired.

NOTE—The best season for singers is from October to June. During the period of summer heat imported canaries are seldom to be had.

Domestic singers, from certified stock, each.....	\$4.50 to \$6.00
Domestic females, each.....	1.50 to 2.50



**SPECIAL OFFER**

**GREEN SHELL PARAKEETS OR LOVE BIRDS**

**\$4.45 PER PAIR**

All Birds Shipped by Express. We Guarantee Live Arrival.

## BIRD SEED IN BULK

Too much cannot be said about the NECESSITY of feeding properly balanced, FRESH, SWEET bird seed. The average mixture offered, especially in stores other than bird stores, is far from what it should be. Wild Mustard is often used in place of imported sweet Rape, and heating, constipating millets in place of the proper kinds. We recommend a mixture of imported Sicily Canary, imported sweet Summer Rape, with a little German Millet, Turkish Poppy, and Lettuce Seed. This mixture is best for singers. For breeding stock, old birds, and birds that have not yet attained full growth, a little Hemp Seed may be added.

### SIMPSON'S ROLLER BIRD SEED IN BULK

Best for singers.		
1 lb. ....	\$0.15	Postpaid.....\$0.25
3 lbs. ....	.40	Postpaid......55
10 lbs. ....	1.00	Postpaid..... 1.20
25 lbs. ....	2.25	Postpaid..... 2.60

### SIMPSON'S SUPERIOR MIXED BIRD SEED

For breeding stock and growing birds.		
1 lb. ....	\$0.15	Postpaid.....\$0.25
3 lbs. ....	.40	Postpaid......55
10 lbs. ....	1.00	Postpaid..... 1.20
25 lbs. ....	2.25	Postpaid..... 2.60

Canary Seed, Imported Sicily, priced same as ROLLER BIRD SEED.  
Rape Seed, Imported Sweet Summer, priced same as ROLLER BIRD SEED.  
Hemp Seed, 1 lb. 10c; 5 lbs. 45c; 12 lbs. \$1.00; 25 lbs. \$2.00. Not postpaid.  
Millet Seed, German, 1 lb. 5c; 3 lbs. 10c; 10 lbs. 30c; 25 lbs. 65c; 50 lbs. \$1.25. Not postpaid.  
Flax Seed, 1 lb. 15c; 5 lbs. 55c; 10 lbs. \$1.00. Not postpaid.  
Poppy Seed, Turkish Maw, 1 lb. 35c; 3 lbs. \$1.00; 10 lbs. \$2.50. Not postpaid.  
Thistle Seed (Niger), imported, 6 oz. 25c; 1 lb. 50c; 3 lbs. \$1.25. Not postpaid.  
Lettuce Seed, 1 lb. 25c. Not postpaid.  
Parakeet, or Love Bird Seed, price same as ROLLER BIRD SEED.

## MISCELLANEOUS BIRD REQUISITES

BIRD SAND AND GRIT, in bulk.		
Gray Sand, clean and screened	10 lbs.....	\$0.30 Postpaid \$0.50
	25 lbs.....	.65 Postpaid 1.00
	50 lbs.....	1.20 Postpaid 1.80
White Bird Grit, contains proper proportions of calcium carbonate, magnesia, etc.	10 lbs.....	.40 Postpaid .60
	25 lbs.....	.90 Postpaid 1.25
	50 lbs.....	1.75 Postpaid 2.35
CUTTLEBONE, bulk. 4 to 6 inch select pieces (average 50 to the pound), 10c each, 3 for 25c; ¼ lb. 25c, postpaid 30c; ½ lb. 45c, postpaid 50c; 1 lb. 75c, postpaid 85c.		
SUNFLOWER SEED, for parrots, recleaned. 1 lb. 15c, postpaid 25c; 5 lbs. 55c, postpaid 75c; 8 lbs. \$1.00, postpaid \$1.20.		
CEDAR NUTS, for parrots, a welcome addition to their diet. 1 lb. 35c, postpaid 45c; 5 lbs. \$1.50, postpaid \$1.70.		

**PULVEX**

We have recently found what we consider the answer to the age-old question—How can I get rid of bird lice? PULVEX FOR CANARIES will do the work. ¾ oz. pkg. for 25c, postpaid 30c. Directions for use on can.



## SPECIAL NOTICE

In ordering any of the package feeds or supplies on these pages, where postpaid prices are not quoted, add for postage 10c if but one item is ordered, 5c for each item when 3 or more items are ordered, or 4c for each item when 6 to 10 items are ordered. In lots of 12 or more we will prepay postage.

## SIMPSON'S PACKAGE SEEDS AND REMEDIES

Simpson's Mixed Bird Seed, carton....	\$0.15	Simpson's Mite Powder, carton.....	\$0.15
Simpson's Roller Bird Seed, carton....	.15	Simpson's Mite Liquid, bottle.....	.25
Simpson's Song Restorer, carton.....	.25	Simpson's Bird Tonic, bottle.....	.25
Simpson's Nestling Food, carton.....	.15	Simpson's Bird Grit, carton.....	.10

## The "JUSTRITE" LINE of Foods and Supplies

We consider this one of the most complete and best supply lines. Not postpaid.

Justrite Honey Roll .....	\$0.25
Justrite Rol-Er-Ka-Nar-E Bird Seed.....	.25
Justrite Imported Bird Seed.....	.20
Justrite Mixed Bird Seed.....	.20
Justrite Love Bird Seed (Parrakeets).....	.20
Justrite Wild Grass Seed.....	.20
Justrite Parrot Food with Crackers.....	.25
Justrite Bird Gravel, brown.....	.15
Justrite Silver Bird Gravel.....	.15
Justrite Gravel Paper, 9" circles, 12 in envelope	.25
Justrite Gravel Paper, 10", 12 for.....	.25
Justrite Gravel Paper, 11", 12 for.....	.25
Justrite Gravel Paper, 12", 12 for.....	.25
Justrite Gravel Paper, 7"x9", 12 for.....	.25
Justrite Gravel Paper, 9"x11", 12 for.....	.25
Justrite Song Restorer .....	.25
Justrite Vitamine Health Food.....	.25
Justrite Moulting Food .....	.25
Justrite Color and Pepper Food.....	.25
Justrite Egg and Nestling Food.....	.15
Justrite Bird Tonic .....	.25
Justrite Bird Bitters .....	.25
Justrite Iron Tonic .....	.25
Justrite Parrot Tonic .....	.25
Justrite Lice Powder .....	.10
Justrite Bird Wash .....	.25
Justrite Cage Cleaner .....	.25
Justrite Lice Destroyer Kit.....	.65
Justrite Cuttlebone, large, with holder.....	.10
Justrite Cuttlebone, medium, with holder.....	.10
Justrite Cuttlebone, small, with holder.....	.05
Justrite Canary Food Packet.....	.59
Justrite Feather Pulling Remedy.....	.25
Justrite Balm for Baldness.....	.25
Justrite Bird Jelly .....	.25
Justrite Bird Salve .....	.15
Justrite Flake Bird Charcoal.....	.10
Justrite Crushed Oyster Shells.....	.10
Justrite Bird Nesting, brown.....	.10
Justrite Bird Nesting, white.....	.10

**FREE Justrite Bird Book**  
with every Justrite order



## KAEMPFER'S BIRD SUPPLIES

Not Prepaid.

Kaempfer's Highballs, 15c, 2 for.....	\$0.25
Kaempfer's New Birdolene.....	.25
Kaempfer's Asthma Remedy .....	.25
Kaempfer's Foot Ointment .....	.25
Kaempfer's Bird Remedy, tonic.....	.25

## HALLER'S BIRD SUPPLIES

Not Prepaid.

Haller's Canary Bird Pie 15c; 2 for....	\$0.25
Haller's Dutch Song Restorer, small	
size 15c; large size.....	.25

## GEISLER'S BIRD FEEDS AND SUPPLIES

Not Prepaid.

Geisler's Roller Bird Seed.....	\$0.30
Geisler's Tonic, A, song restorer..	.25
Geisler's Tonic, B, for diarrhoea...	.25
Geisler's Tonic, C, for colds.....	.25
Geisler's Tonic, D, general .....	.25
Geisler's Bird Biscuit .....	.15
Geisler's Medicated Biscuit .....	.25
Geisler's Song and Moulting Food..	.20
Geisler's Parasite Cure .....	.25
Geisler's Health Food .....	.20
Geisler's Vegetable Extract .....	.25
Geisler's Parrot Tonic .....	.25



Geisler's  
Products  
Are  
Good

## PHILADELPHIA BIRD FOOD CO.'S SUPPLIES

Not Prepaid.

Bird Manna, 15c; 2 for 25c; 6 for..	\$0.70
Bird Bitters .....	.25
Bird Seed .....	.25

## FRENCH'S BIRD SUPPLIES

Not Prepaid.

French's Bird Seed with Biscuit.....	\$0.15
French's Bird Biscuit, 15c; 2 for.....	.25
French's Canary Tint .....	.25
French's Mite Powder .....	.25
French's Coloring Pepper .....	.25
French's Nestling Food .....	.30
French's Nestling Hair .....	.10
French's Bird Ointment .....	.25
French's Song Restorer .....	.20
French's Bird Tonic .....	.25
French's Bird Gravel .....	.15

## SIMPSON'S PERFECT BLEND WILD BIRD FEED

Not Prepaid.

5 lbs.....	\$0.25
12 lbs.....	.50
26 lbs.....	1.00
50 lbs.....	1.75
100 lbs.....	3.25

## SPRATT'S BIRD SUPPLIES

Not Prepaid.

Spratt's Bird Tonic .....	\$0.25
Spratt's Canarydine (asthma).....	.25
Spratt's Color Food .....	.25
Spratt's Egg Flake and Fruit.....	.25
Spratt's Nestling Food.....	.15
Spratt's Song Restorer.....	.25
Spratt's Sing-Song, 15c; 2 for.....	.25

# HENDRYX BIRD CAGES

Prices include packing for shipment, but do not include carrying charges.

## ROUND BRASS CAGES

The No. 274 Series is the most popular of all cages. The screen guards keep all seed and litter off the floor and make birds a pleasure rather than a nuisance. Prices include perches and cups complete.

No. 274, 10 $\frac{1}{8}$  inches diameter, 15 $\frac{3}{8}$  inches high.....\$3.50

No. 275, 11 inches diameter, 15 $\frac{3}{8}$  inches high..... 3.75

No. 276, 11 $\frac{3}{4}$  inches diameter, 17 $\frac{1}{4}$  inches high..... 4.20

The No. 2274 Series has the same diameter as the No. 274, and is similar in every way except for the pedestal base. This cage has a better appearance when used with a stand.

No. 2274, complete with cups and perches.....\$3.50

No. 2275, complete with cups and perches..... 3.75

No. 2276, complete with cups and perches..... 4.20

**Special Enameled Cages.** The No. 165 Series seems to be the most in demand of all enameled cages. They are well made, light but substantial, white, with green trimming.

No. 165—9 $\frac{3}{4}$  in. x 6 $\frac{1}{2}$  in. x 12 $\frac{1}{2}$  in. high. Each.....\$2.00

No. 166—10 $\frac{1}{2}$  in. x 6 $\frac{7}{8}$  in. x 13 $\frac{1}{2}$  in. high. Each..... 2.70

No. 167—11 in. x 7 $\frac{1}{2}$  in. x 14 in. high. Each..... 3.00

No. 168—12 $\frac{1}{2}$  in. x 8 $\frac{1}{4}$  in. x 14 $\frac{1}{2}$  in. high. Each..... 3.25

**Hendryx Stock Cages.** Each cage equipped with drawer base and four large feed and water dishes. Excellent for young birds. Before much progress is made in bird breeding it will be found necessary to have a good breeding cage and a stock or flight cage. Young birds should have plenty of room and require a large cage for exercise.

No. 81—16 in. high, 16 in. long, 9 $\frac{1}{2}$  in. wide. Each....\$6.00

No. 82—18 in. high, 17 $\frac{3}{4}$  in. long, 10 $\frac{1}{2}$  in. wide. Each.... 6.50

No. 83—20 in. high, 20 $\frac{1}{4}$  in. long, 12 in. wide. Each.... 7.00

**Bird Cage Stands.** An attractive stand is an ornament in any home, and makes it possible to keep birds in light, sunny locations not always possible where cages are hung on brackets or ceiling hooks.

No. 20, polished brass, single loop .....\$3.60

No. 30, polished brass, full loop ..... 4.50

No. 31, polished brass, single loop ..... 3.15

No. 32, polished brass, full loop ..... 4.15

No. 3728, polished brass, single loop ..... 3.40

No. 3729, polished brass, full loop.. 4.50

No. 3730, polished brass, single loop 3.25

No. 3731, polished brass, full loop.. 4.25

No. 3747, polished brass or 2-color combination, single loop..... 2.70

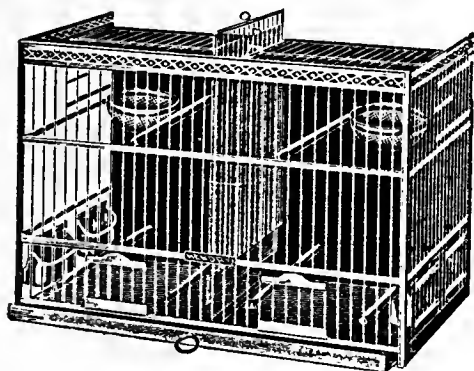
No. 3748, polished brass or 2-color combination, full loop..... 2.90

**"Hendryx" Breeding Cages.** Each is equipped with a solid partition, a wire partition, two nests and four large feed and water dishes. A breeding cage is very necessary in mating canaries to insure success.

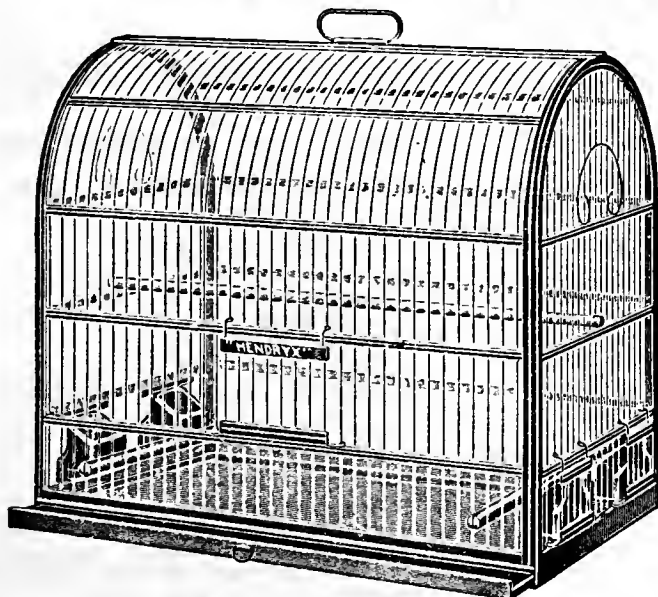
No. 86S—14 inches high, 17 $\frac{1}{4}$  in. long, 8 $\frac{3}{4}$  in. wide, \$5.50 each.

No. 86—14 $\frac{3}{4}$  in. high, 19 $\frac{1}{2}$  in. long, 10 in. wide, \$6.00 each.

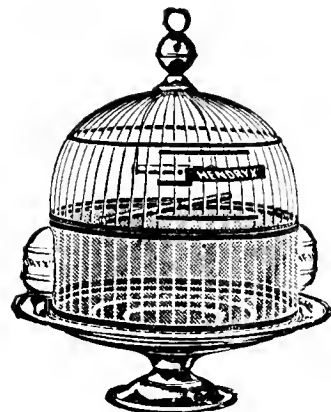
No. 87—16 $\frac{1}{4}$  in. high, 22 in. long, 11 in. wide, \$6.50 each.



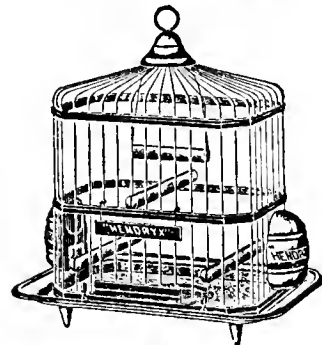
Breeding Cage



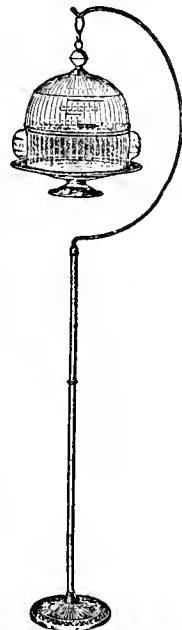
Hendryx Stock Cage



No. 274 Series



No. 165 Series



Cage Stand

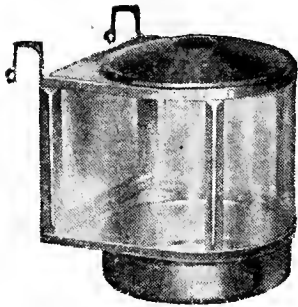
No. 88—17 in. high, 24 $\frac{1}{2}$  in. long, 12 $\frac{1}{2}$  in. wide, \$7.00 each.

**Extra nests 15c each.** These cages have a slide bottom, making it easy to clean without disturbing birds.

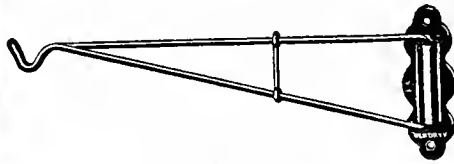


No. 2274 Series Cage

# MISCELLANEOUS BIRD SUPPLIES



Delta Bath House



Bracket



Style O



No. 1904

	Each
Bath Dishes. Oval, glass or porcelain.....	\$0.15
Bath Houses, Delta. White.....	.60
Bath Houses, Delta. Colored green, blue, red or orange .....	.75
Birdie Baths. Hang inside cage door, fold up when not in use.....	.25
Bird Whistles. Celluloid, teach birds to sing.....	.20
Bird Books. Canary Breeding and Training.....	.35
Bird Books. Feathered Pets.....	.35
Swinging Brackets. 10 in. brass or nickel plated....	.20
Swinging Brackets. 12 in. brass or nickel plated....	.25
Cage Bells. Canaries like them; 2 for 25c.....	.15
Cage Covers. Fancy colored cretonne.....	.65
Cage Covers. Fancy colored satine.....	.75
Cage Guard Cloths. Fancy colored cretonne.....	1.00
Cage Guard Cloths. Fancy colored satine.....	1.25
Cups for seed and water, "single point," 2 for 25c...	.15
Cups for seed and water, style "O," 2 for 25c.....	.15
Cups for seed and water, No. 1904, 2 for 25c.....	.15
Cups for breeding cages, No. 1916.....	.20
Cups for parrot cages, tinned cast iron, self-locking spring .....	.50
Treat Cups (small food holders), fit in any cage between the bars. 80c doz.; 3 for 25c.....	.10
Crystal Fountain, fits any cage.....	.75
Cuttle Bone Holders.....	.10
Guard Wire, keeps bird from scattering seed—	
3½ in. cut to order. Per foot.....	.40
5 in. Per foot.....	.50
Nests, tinned wire. 2 for 25c.....	.15
Nest Eggs, closely imitate a canary egg. 3 for 25c..	.10
Nesting Hair, white or brown. Per pkg.....	.10
Leg Bands for Canaries. 2 for 5c; doz.....	.25
Perehes, tapered, set of three for.....	.25
Pereh Material, proper size, 3 foot length.....	.10
Powder Guns, empty .....	.15
Powder Guns, filled with insect powder.....	.25
Springs, solid brass, No. 140, for stands.....	.15
Springs, brass, with 2 foot ladder chain, adjustable..	.30
Springs, solid brass, No. 16.....	.15
Springs, brass plated, No. 160.....	.10
Swings, for round brass cages.....	.35
Swings, for brass or enameled cages.....	.15



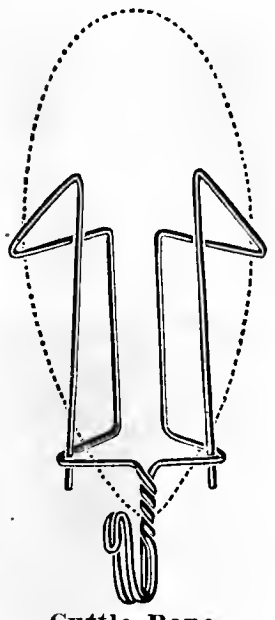
No. 140



No. 1916



No. 16-160



Cuttle Bone Holder

## HOW TO COMPUTE PARCEL POST POSTAGE

Many items in this catalog are quoted "Postage Prepaid," and when so priced, we pay postage. We have endeavored to mark every item either "Postage Prepaid" or "Postage, Express, or Freight Extra" so that there may be no doubt in your mind whether or not you should include postage.

When postage is extra it is best to include same in your remittance, as it costs you 12c plus a 5c return charge, to have a parcel post matter sent C. O. D.

The following table offers a simple, convenient way to compute parcel post postage:

Local zone, Denver, 7c for first pound, 1c for each additional 2 pounds.
1st and 2nd zones (within 150 miles from Denver). Number of pounds plus 6 cents.
3rd zone (150-300 miles from Denver). 2 times number of pounds plus 6 cents.
4th zone (300-600 miles from Denver). 4 times number of pounds plus 4 cents.
5th zone (600-1,000 miles from Denver). 6 times number of pounds plus 3 cents.
6th zone (1,000-1,400 miles from Denver). 8 times number of pounds plus 2 cents.
7th zone (1,400-1,800 miles from Denver). 10 times number of pounds plus 2 cents.
8th zone (over 1,800 miles from Denver). 12 times number of pounds plus 1 cent.

**EXAMPLE:** You live 280 miles from Denver and are ordering merchandise weighing 12 pounds. You are in zone 3, and postage would be:  $12 \times 2 = 24$  cents, plus 6 cents = 30 cents.

**NOTE:** Limit of weight for delivery within the first, second and third zones is 70 pounds; to all other zones the limit is 50 pounds. If weight exceeds these figures it is necessary to make two or more packages and figure postage on each package.

**GUARANTEE:** We offer only merchandise in which we have confidence, but cannot be responsible for the results, as there are too many circumstances over which we have no control, such as weather, insect pests, etc., etc.; therefore, we give no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs or plants we send out, and we will not be in any way responsible for the crop.

Simpson Seed and Floral Co.





# Simpson Seed & Floral Co.

## DENVER, COLORADO

When ordering items that are not priced "Postpaid" please include postage at regular zone rates (see page 62). We do not advise C. O. D. shipments because of the 17c collection charge made by the Postoffice Department.

*Please forward the following articles to:*

Send by.....  
(Mail, Express or Freight)

\$.....

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THE WONDERFUL

CHINESE ELM ( *Ulmus*  
*Pumila* )

(SOMETIMES CALLED SIBERIAN ELM)



A street planting of Chinese Elm (*Ulmus Pumila*). Trees are seven years old, forty feet high, ten inches in diameter.

The CHINESE ELM is the best tree for shade and ornamentation in the whole list. It is the most rapid grower and has more to recommend it than any tree we know of. It is not unusual for the CHINESE ELM to attain a height of 45 feet, with a trunk circumference of 35 inches (10 inches diameter) within seven years. The branches are slender and wiry, with narrow, pointed leaves, giving the tree a beautiful, feathery appearance. It is one of the earliest to leaf out in the spring and the last to shed its leaves in the fall.

Being a native of Siberia, the CHINESE ELM will survive the coldest climatic conditions. Its smooth bark resists the action of insects and borers, and it has readily established itself under conditions of drought and alkali soil. Unlike the other elms, it is remarkably free from the usual plant diseases.

	Each	Per 10
4 to 5 foot.....	\$0.75	\$ 6.50
5 to 6 foot.....	1.00	9.00
6 to 8 foot.....	1.25	11.00
8 to 10 foot.....	1.75	15.00
1 to 1½ inch diameter.....	2.50	22.50
1½ to 2 inch diameter.....	4.00	35.00
2 to 2½ inch diameter.....	6.50	60.00
2½ to 3 inch diameter.....	9.00	85.00

5 or more sold at the 10 rate

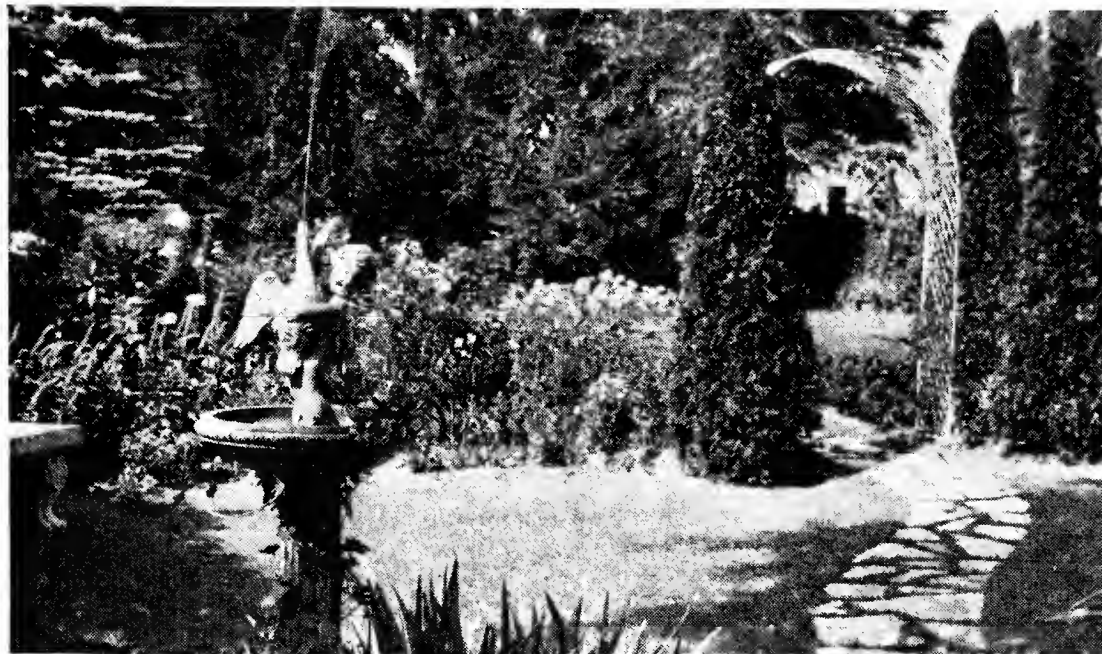
SEEDLING TREES suitable for windbreaks, \$14.00 per 100 in lots of 25 or more

See page 28 for other beautiful trees

Enjoy Better Lawns, Flowers and Gardens by Using

# VIGORO

CLEAN, ODORLESS—EASY TO APPLY



This small spreader is guaranteed to apply Vigoro to your satisfaction — only \$1.95 complete.

*Used by  
More Than  
3,000,000*

## Beautify Your Home

There is no secret in having a velvety lawn, colorful flowers, crisp, succulent vegetables, luxuriant shrubbery and stately trees. You can enjoy these beauties of nature if you use good seed, plants, bulbs and the right plant food. The right plant food is important because plants must be fed even as you and I.

VIGORO provides a practical, economical, and effective way to secure finest results. Practical because it is clean, odorless, easy to apply — can be sown by hand like grass seed or applied with the small VIGORO SPREADER illustrated on this page. Economical because the cost is only 10c to 20c for every 100 square feet. Effective because it contains ALL OF THE ELEMENTS OF PLANT FOOD required to produce early, vigorous growth.

*Clean  
Odorless  
Economical*

Complete directions in every bag. See page 30 for further description

OTHER VIGORO SPREADERS ARE ILLUSTRATED AND DESCRIBED ON PAGE 30

### VIGORO PRICES REDUCED

100 lb. bag.....\$5.00	50 lb. bag.....\$3.00	25-lb. bag.....\$1.75
10 lb. pkg.....85c	5 lb. pkg.....50c	
12 oz. pkg. for house plants.....10c		

F. O. B. Denver; if by mail, please include postage at zone rates.

**Simpson's Garden & Farm Book  
Spring 1932**

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